

ONKYO[®]

IMAGINATIVE SIGHT & SOUND



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IMAGINATIVE SIGHT & SOUND

AUDIO / VIDEO

2005





Contents

HOME THEATER COMPONENTS	4 - 14
HOME THEATER PACKAGE	15
SPEAKER SYSTEMS	16
HOME STYLE COMPONENTS	17 - 20
SEPARATE COLLECTION	21 - 23
PURE HI-FI COMPONENTS	24 - 28
FEATURES	31 - 33
SPECIFICATIONS	34 - 35

At Onkyo, we have witnessed the advances of digital technology in the digital realm—and developed a belief that the digital revolution will significantly transform home theater. We have not been disappointed for the better. Nevertheless, there are some things we don't want to see change, like our unwavering commitment to excellence—the underlying basis of the Onkyo premium digital philosophy. As a proven innovator in the A/V industry, Onkyo has single-mindedly focused on providing progressive-end components, exceptional build quality and a design aesthetic. We take a “no-nonsense approach”: get the basics right, pay attention to details and incorporate only the best parts—quite a difference from those manufacturers who solely focus on cheaper parts and mass production as their defining difference.

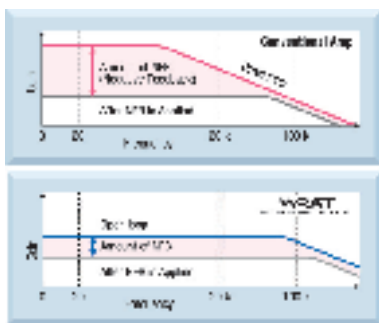
Onkyo's enviable track record in producing precision audio components and pioneering achievements in home theater were fully expressed in the world's first THX™-certified home theater receiver: the TX-SV919THX. Early on, we

recognized THX's approach to the concept of faithful home theater reproduction and their reputation as the leading standard setter for manufacturing of home theater comparable in quality to a movie-house presentation. We then went on to produce the world's first 7.1-channel home theater receiver, the TX-DS989, and our first THX™-certified DVD player, the DV-S939. The relationship between Onkyo and THX has flourished over the last 10 years (2004 has been designated as the Onkyo-THX anniversary year), and we are committed to maintaining and strengthening that relationship into the future.

As Onkyo components continue to redefine quality home theater, we invite you to test our most current developments—what we have coined “Imaginative Sight and Sound,” or more fundamentally, the culmination of our last 50 years of commitment to producing only the very best in audio-visual performance. Such focused evolution has been developed with you in mind.

3 Significant Benefits You Get from WRAT

WRAT
WIDE RANGE AMP TECHNOLOGY



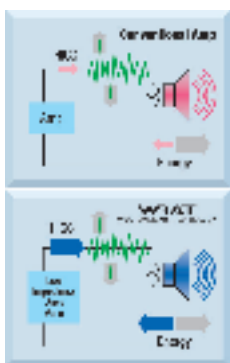
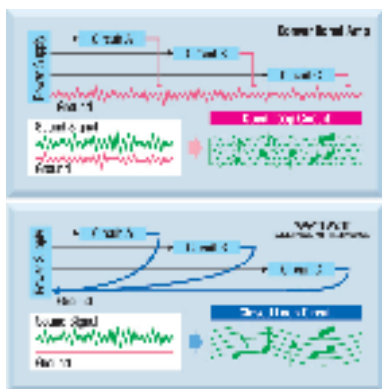
Benefit 1: Uncommonly Low Negative-Feedback Design—so you'll enjoy cleaner sound on programme peaks

Although NFB (negative feedback) is the most cost-effective way to reduce noise at lower frequencies, there's a sonic price to pay: larger amounts of NFB severely

inhibit an amplifier's transient response—the ability to respond to large signal gains (e.g. explosions and musical finales)—and actually distort sound at high frequencies. That's why our engineers use a low negative-feedback design, with audiophile-grade, close-tolerance components at critical points in the signal path, to achieve a frequency response out to 100 kHz. That means you can fully enjoy the sonic benefits from such high-resolution formats as DVD-Audio and Super Audio CD as well as your regular CDs and DVDs.

Benefit 2: Closed Ground-Loop Circuits—so you'll enjoy greater maximum volume without distortion

If an amplifier's ground potential (voltage) fluctuates during playback of movie soundtracks or musical performances, you wind up with unpleasant noise. In an open-loop circuit design, all circuits are connected to the power supply via one loop. If all circuits share the same loop (like on many amplifiers), the noise multiplies exponentially. Onkyo's sophisticated closed-circuit design allows each circuit to go and return directly to the power supply. This cancels any individual circuit noise, and keeps the ground potential free of distortion.



Benefit 3: High Instantaneous-Current Capability—so you'll enjoy film soundtracks with greater impact

Audio signals are very complex. After the amplifier outputs such signals to a speaker, the speaker itself accumulates energy. When the speaker reflexes, it sends energy back to the amplifier. The amplifier must immediately be able to supply a large amount of high current to cancel the speaker's reflex energy, and instantaneously send out the next signal. The same high current is also necessary to handle speaker impedance fluctuations, which on

occasion force an amplifier to provide four to six times its usual current load. The instantaneous current capability of even Onkyo's least expensive WRAT receivers is far better than that of most conventional units. This is because competing designs commonly have less than half the current capability. The result? The high-current capability incorporated into all Onkyo receivers means your receiver can deliver movie soundtracks with theatre-like dynamics and clarity—so you'll get the same exciting sonic slam that you experienced in the cinema.

Auto Speaker Set-up with Microphone

To fully appreciate how the acoustics of your room affect sound is no easy matter. Onkyo's Auto Speaker Set-up with Microphone uses a high sensitivity microphone to pick up test tones from your favorite listening spot, and then uses an acoustic analyzer to adjust the sound pressure level and time delay of each channel. What does this mean for you, the listener? It means that each channel is delivered synchronously, so you get the most accurate frequency response from your favorite listening spot in whichever room you choose.



Video Upconversion with TBC (Time Base Corrector)

When connecting playback devices to compatible televisions and displays, conversion of both composite and S-

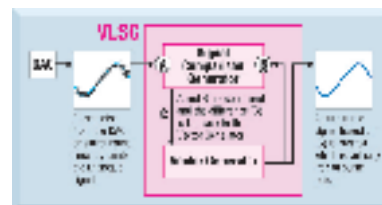


Video signals to component video simplifies the connection process by enabling just one connection. During upconversion, each video signal incorporates a synchronization pulse (sync) that represents the beginning of each video signal. These syncs need to be highly precise in amplitude and timing to eliminate clock jitter, which can degrade the picture substantially, particularly on high resolution display devices. By incorporating a time base corrector (TBC) in the conversion process, inconsistencies in the signal's timing can be corrected, thereby ensuring the highest-quality picture possible.

Vector Linear Shaping Circuitry (VLSC)

VECTOR LINEAR SHAPING CIRCUITRY

Conventional D/A conversion methods reduce digital pulse noise at the conversion stage but can't remove it completely. Previously only found on Onkyo's high-end components, VLSC (Vector Linear Shaping Circuitry) employs a unique D/A



conversion circuit to overcome this problem. Data is converted between sampling points and these points are joined with analogue vectors in real-time to produce a smooth output wave form. The result—a virtually noiseless, smooth analogue signal based on the digital source.

RF-EX6

RF Receiver for TX-NR5000E

- RF receiver for use with the Onkyo RF capable remote control
- The RF receiver allows your RF remote to control your devices by radio frequency
- Up to 16 units in one system
- Integrated IR-blaster
- 4 outputs for IR-emitters
- Range up to 30 m
- 4 selectable channels
- Easy installation
- For top mounting and stand alone (available only in selected countries)



TX-NR5000E **Integra**

SILVER BLACK

THX™ Ultra2 7.1-Channel A/V Home Network Receiver



Welcome to the full potential of what a home theater receiver can be. Onkyo, the company that brought you the world's first 7.1-channel, THX-certified receiver, now unveils what a flagship receiver should be. The TX-NR5000E provides technology and design that will impress all, from the audiophile to the casual listener. The THX Ultra2 badge on the front means that this receiver provides the guarantee of the highest quality product available. Onkyo's Premium Digital concept takes on a new state-of-the-art look with the addition of HDMI (High-Definition Multimedia Interface) and i.LINK (IEEE1394) pure digital ports. All the latest encoding formats—THX Surround EX, DTS 96/24, Dolby Pro Logic IIx, and more—are here along with the knowledge that you're ready for the future with upgradable flash memory. Onkyo's exclusive Net-Tune protocol provides streaming music from your computer or Internet radio from the waves of cyberspace. So, for truly breathtaking performance and features from a receiver that truly deserves to be christened as a flagship, audition the TX-NR5000E and find out what true home entertainment is like.

- 200 W/Ch, Continuous 6 Ω , 1 kHz, DIN
- THX™ Ultra2 Certified
- THX™ Surround EX™, DTS®-ES™ Discrete/Matrix 6.1, DTS® Neo:6, DTS® 96/24, Dolby® Digital EX™, Dolby® Pro Logic® IIx, Dolby® Headphone, Dolby® Virtual Speaker
- VLSC (Vector Linear Shaping Circuitry)
- Net-Tune™ Function with MP3/WMA/WAV Decoding
- Ethernet Cable Plug-in Capability
- 2 High-Quality HDMI Inputs and 1 Output
- 2 i.LINK (IEEE1394) Digital Ports
- Speaker A and B Mode for 7.1 Channels
- BTL and Bi-Wiring Connectable for FL/FR with SBR/SBL
- High-Precision 32-Bit Dual DSP Chips
- 192 kHz/24-Bit DAC x 8
- 4 Wideband Component Video Inputs (3 RCA/1 BNC) and 2 Outputs (RCA/BNC)
- Composite and S-Video to Component Video Upconversion
- Powered Zone 2 and Zone 3
- 5 12V DC Trigger Outputs and 3 IR Inputs/Outputs
- Bi-Directional RS232 Port for Interface Control
- Color-Coded Heavy-Duty Dual Banana Plug Compatible Transparent Speaker Posts
- Color-Coded 7.1 Multichannel Inputs and Pre Outs
- Elegant Aluminum-Faced Remote Control with Scroll Wheel and LCD Display

TX-NR801E

SILVER BLACK


THX™ Select 7.1-Channel A/V Home Network Receiver



While limiting your A/V receiver to home theater use is something that other companies may do, Onkyo has taken a decidedly different course in the creation of an entirely new category for home entertainment. A masterpiece of technology and functionality, the TX-NR801E includes a value-added feature only we can provide - Net-Tune® home network capability. The Ethernet connection* on the back lets you stream your MP3, WAV and WMA files from your computer, in addition to being your passport to the music of the world via Internet radio. Onkyo's exclusive VLSC (Vector Linear Shaping Circuitry) smoothes the pulse noise inherent in the Internet radio signal - as well as noise in your movies and music - to create an incomparable listening environment. The TX-NR801E further distances itself from the rest with high-grade parts that provide a smooth and seamless listening experience from the latest generation in digital surround sound formats. Just what you'd expect from a company committed to providing you with the latest in state-of-the-art features. When you're looking for the ultimate in movie and music reproduction, unlock the full potential of an A/V receiver and expand your home entertainment experience with the TX-NR801E.

- 135 W/Ch, Continuous 6 Ω, 1 kHz, DIN
- THX® Select Certified
- THX® Surround EX™, DTS®-ES™ Discrete/Matrix 6.1, DTS® Neo:6, DTS® 96/24, Dolby® Digital EX™, Dolby® Pro Logic™ II
- VLSC (Vector Linear Shaping Circuitry) (L/C/R)
- Net-Tune™ Function with MP3/WAV/WMA Decoding
- Ethernet Cable Plug-In Capability
- High-Precision 32-Bit Dual DSP Chips
- 192 kHz/24-Bit DAC x 6
- 96 kHz/24-Bit DAC x 2
- H.C.P.S. (High Current Power Supply) Massive High Power Transformer
- 2 Wideband Component Video Inputs and 1 Output
- Composite and S-Video to Component Video Upconversion
- Powered Zone 2
- A-Form Listening Mode Memory
- Color-Coded Dual Banana Plug Compatible Speaker Posts
- 7.1 Multi-Channel Inputs and Pre Outs
- Crossover Adjustment (40/60/80/100/120/150 Hz)
- Backlit/Preprogrammed & Learning Remote with Mode-Key LEDs

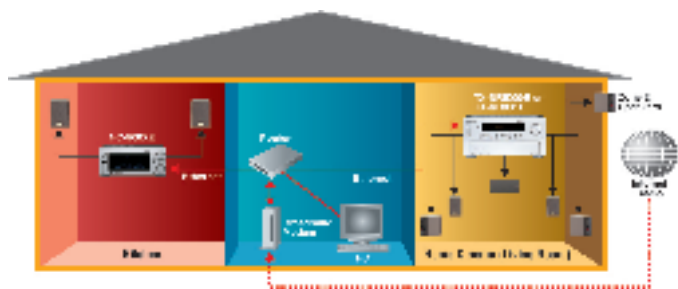
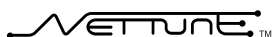
* For copyright protection purposes, it is not possible to record the digital output signal from Ethernet input signals.



Composite and S-Video Upconversion to Component Video

Convenience is assured thanks to the ability to run just one cable from your receiver to your high-definition display TV with the upconversion of composite and S-Video signals to component video. Let's be realistic, while the TX-NR801E is a technologically advanced component, you're still likely to have some composite or S-Video only components around the house. Hook-up your video player, CD player, LD player - all your S-Video or composite video out components - to the back of this receiver and each signal will flow to your compatible TV or projector via one component cable.

Net-Tune



What is Net-Tune™?

Do you have MP3, WAV, or WMA files on your computer? Add new life to this existing content and enjoy it in surround sound glory. With one of Onkyo's exclusive line of home network receivers connected to your computer via a broadband router, you can easily access all your computer's music files. Simply download Net-Tune™ to your PC and, through the Net-Tune™ Central application, you're ready to truly fill your room with music. If you've already upgraded to a broadband Internet connection, then there are even more possibilities for you. Have the urge to hear pop music from Japan or the latest songs soaring up the American charts? How does instant access to radio stations around the world sound to you? Well, it's possible through the mini-revolution in the music world called Internet radio. The process is simple. Hook up your home network receiver to a router connected to your broadband modem via a high-speed Ethernet cable. Press the Net Audio button on the front of your receiver and you'll be welcomed to a world of music in your home through Internet radio.

Net-Tune™ Central

Your media distribution software. Up to now, you may have looked upon your PC as a means of sending e-mail, making spreadsheets and playing the occasional game, but when it came to music, the sound was second best. Now Onkyo can add astounding depth to your hard drive's MP3, WAV or WMA music files. Simply download Net-Tune™ Central to your PC and your music files will be liberated from the limitations of your computer's speakers. Hook your PC up to a router and then connect your home network receiver for fast and easy access to your computer's music files. Now you have transformed your computer into a music server ready to deliver sparkling surround sound.



Internet Radio

Perhaps you've been wondering how your kids are getting radio reception from Asia. Or how your flatmate always seems to find those great stations you can't find on the radio. What's the secret? It's not coming from your local FM/AM tuner. It's coming from the Internet. Even if you're an old pro at surfing the airwaves of cyberspace, the benefits of Internet radio will continue to amaze you. No longer are you limited to local access. Now you have the freedom of the kind of music you want to hear when you want to hear it. The drawback? Until now this has been limited to the audio playback capability of your computer and its speakers. We're sure you'll agree with us when we say your music deserves more.

NC-500XE

SILVER

Audio Network Receiver Package

NC-500XE

Audio Network Receiver

17 W/Ch, 6 Ω , 1 kHz, DIN • VLSC (Vector Linear Shaping Circuitry) • Net-Tune™ Function with MP3/WMA/WAV Playback • Ethernet Cable Plug-in Capability • Genre/Country/Language Selection for Internet Radio • 20 Character, 4-Line Dot Matrix Display • Repeat Mode • Line in/2 Outputs (Fixed/Variable) • Optical Digital Output • 40 AM/FM Presets • 20 Internet Radio Presets • Alarm and Sleep Timer • Headphone Jack • Aluminum Front Panel • Full Function RI (Remote Interactive) Remote Control

(available only in selected countries)

D-N3X

2-Way, Bass Reflex Speakers

12 cm OMF Diaphragm Woofer • 2.5 cm Balanced-Dome Tweeter • Magnetically Shielded • Extensively Braced MDF Cabinet • 5 Ω Impedance • 70 W Max Input Power • 60 Hz-35 kHz Frequency Response

Bring Unprecedented Fidelity to Your Music Files - And Play Them Anywhere in Your Home



TX-SR702E

SILVER BLACK

THX™ Select 7.1-Channel AV Surround Receiver



Descending from one of Onkyo's most well-crafted receivers, the TX-SR702E has an impeccable reputation to live up to. With its THX Select stamp of approval, this receiver most definitely makes the advanced home theater grade. Now supporting an extra channel (7.1×130 watts), the TX-SR702E has expanded its ability to reproduce multichannel formats with pinpoint clarity and awesome power. As on all Onkyo receivers, we expect the integration of our proprietary technologies like Wide Range Amplifier Technology (WRAT) and Vector Linear Shaping Circuitry (VLSC) with robust parts to significantly enhance audio performance and output. In our view, it is unacceptable to solely count watts to determine a receiver's potential. This is where the TX-SR702E excels. The TX-SR702E also represents a new breed of receiver with advanced connectivity options like a RS232 port, which enables complete integration with home media control systems. And we need to put to rest the idea that home theater is purely for enjoying movies, the TX-SR702E will faultlessly play back DVD-Audio and Super Audio CD. If you're all for Onkyo reliability and first-rate engineering, the TX-SR702E demands serious consideration.

- 130 W/Ch, Continuous 6 Ω, 1 kHz, DIN
- THX Select Certified
- THX® Surround EX™, DTS®-ES™, Discrete/Matrix 6.1, DTS® NEO:6, DTS® 96/24, Dolby® Digital EX™, Dolby® Pro Logic™ IIx
- VLSC (Vector Linear Shaping Circuitry)
- 192 kHz/24-Bit DACs
- Composite and S-Video to Component Video Upconversion with TBC (Time Base Corrector)
- Advanced 32-bit DSP
- HDTV-Capable (50 MHz) Component Video Switching
- 3 Wideband Component Video Inputs and 1 Output
- 7 Digital Inputs (5 Optical; 2 Coaxial)
- 2 Digital Outputs (1 Optical; 1 Coaxial)
- Pure Audio Mode
- RS232 Terminal for Interface Control
- Powered Zone 2 and 12V Trigger
- A-Form Listening Mode Memory
- Color-Coded Dual Banana Plug Compatible Speaker Posts
- Auto Speaker Set-up with Microphone
- Preprogrammed Learning Remote with Macros and Mode Key LEDs



Auto Speaker Set-up with Microphone

Using an acoustic analyzer and high-sensitivity microphone, the TX-SR702E automatically adjusts the sound pressure level and time delay of each channel. What does this mean for you the listener? It means that each channel is delivered synchronously, so you get the most

accurate frequency response from your favorite listening spot.

TX-SR602E


SILVER BLACK

7.1-Channel AV Surround Receiver



On top of outstanding build quality, the TX-SR602E combines proprietary Onkyo technologies, like WRAT (Wide Range Amplifier Technology) and VLSC (Vector Linear Shaping Circuitry), with features we expect to find on higher-end receivers. The 7.1-channel TX-SR602E delivers movie-house quality with Dolby® Digital and DTS® decoders and realizes exceptionally polished sound from DVD-Audio and Super Audio CD. With useful features like HDTV-capable component video switching and Auto Speaker Set-up with Microphone combined with a full range of inputs and outputs, you are looking at a home theater that outperforms its expectations.

- 120 W/Ch, Continuous 6 Ω, 1 kHz, DIN
- DTS®-ES™, Discrete/Matrix 6.1, DTS® NEO:6, DTS® 96/24, Dolby® Digital EX™, Dolby® Pro Logic® IIx
- Vector Linear Shaping Circuitry (VLSC) for FL/FR
- 192 kHz/24-Bit DAC × 8
- Component Video Upconversion with TBC (Time Base Corrector)
- Wide Range Amplifier Technology (WRAT)
- 10 Hz-100 kHz Extended Frequency Response
- Ready for HDTV, Progressive Scan DVD, DVD-Audio and Super Audio CD
- 3 Component Video Inputs and 1 Output
- 5 S-Video Inputs and 3 Outputs
- 5 Digital Inputs (3 Optical/ 2 Coaxial) and 1 Output
- Powered Zone 2 and 12V Trigger
- Pure Audio Mode
- Color-Coded Dual Banana Plug Compatible Speaker Posts
- Crossover Adjustment (60/80/100/120/150 Hz)
- Auto Speaker Set-up with Microphone
- Preprogrammed Learning Remote with Macros and Mode Key LEDs



Auto Speaker Set-up with Microphone

Using an acoustic analyzer and high-sensitivity microphone, the TX-SR602E automatically adjusts the sound pressure level and time delay of each channel. What does this mean for you the listener? It means that each channel is delivered synchronously, so you get the most accurate frequency response from your favorite listening spot.

TX-SR502E

SILVER BLACK

6.1-Channel A/V Surround Receiver



Entry in level but big in features sums up the TX-SR502E. With 6.1 channels driven by high-quality integrated components like a massive high power transformer, the TX-SR502E surpasses its expected capabilities. Using Dolby's and DTS's enhanced multichannel surround sound, the TX-SR502E is bursting with realistic and awe-inspiring audio/visual entertainment. The emphasis is also on user-friendliness, with color-coded inputs and outputs; direct access buttons for commonly used functions; and a cross-functional remote control. For peace of mind that comes from solid build quality and impressive features, the TX-SR502E is a solid option.

- 90 W/Ch, Continuous 6 Ω , 1 kHz, DIN
- DTS®-ES™, Discrete/Matrix 6.1, DTS® NEO:6, DTS® 96/24, Dolby® Digital EX™, Dolby® Pro Logic® IIx
- 96 kHz/24-Bit DAC x 7
- H.C.P.S. (High Current Power Supply) Massive High Power Transformer
- WRAT (Wide Range Amplifier Technology)
- 2 Component Video Inputs and 1 Output
- 4 S-Video Inputs and 2 Outputs
- 4 Digital Inputs (3 Optical/1 Coaxial; 4 Assignable)
- CinemaFILTER™
- Optimum Gain Volume Circuitry
- Dot Matrix FL Display
- Color-Coded Dual Banana Plug Compatible Speaker Posts
- Crossover Adjustment (60/80/100/120/150 Hz)
- Preprogrammed RI (Remote Interactive) Remote Control

CinemaFILTER™
The tonal balance of a film soundtrack can be edgy and bright when played back over audio equipment in your home—this is because film soundtracks are designed to be played back in large cinemas, using commercial equipment. Onkyo has developed its own solution that restores the correct tonal balance of a movie soundtrack in the smaller environs of your home theater.

Oplus FlexScale Video Scaling Capability



While HD-DVD with a native resolution of over NTSC 480p or PAL 576p is still on the drawing board, you can experience HD level 720p and 1080i via FlexScale™ video scaling capability from Oplus®. Built in to the DV-SP1000E, and thus eliminating the need for costly external scalars, FlexScale™ takes

NTSC 480i or PAL 576i DVDs beyond normal progressive scan players and into the HD domain by enabling 720p or 1080i output through the HDMI (High-Definition Multimedia Interface) out on the rear.

FLEXSCALING
Authorized by **PLUS**

HDMI (High-Definition Multimedia Interface)

The latest in digital interface technology is here and it goes by the name of HDMI (High-Definition Multimedia Interface). This high-bandwidth interface supports not only remarkable amounts of uncompressed digital video but audio as well. Up to 5 Gbps of data, more than twice what's needed for a high-definition movie with surround sound, can be handled with room for future requirements.

HDMI™



All this data is kept in the digital domain as there are no D/A or A/D conversions needed to ensure the highest sound and video quality available. Unparalleled amounts of compressed or uncompressed digital audio and video—up to 5 Gbps of data—can be handled with just one high-speed cable.

i.LINK Digital Audio Interface (a.k.a. IEEE1394)



The reduction of up to six analogue cables to one single digital cable capable of carrying multi-channel audio is here. i.LINK (a.k.a. IEEE1394) provides the high-bandwidth, high-resolution signal transfer of audio that multi-channel formats like DVD-Audio and Super Audio CD have been waiting for. Even better, content stays in the pure digital realm as there are no unnecessary D/A or A/D conversions performed. Experience the pure digital multi-channel music experience you've been waiting for.



PAL/NTSC Veridic Progressive Scan

VERIDIC PROGRESSIVE SCAN

Most DVDs are "progressive" - meaning they produce video in complete frames. But to be compatible with all TVs, the DVD signal must be interlaced - a method where the picture is split into two fields and then blurred together to look like one. Progressive Scan, however, retrieves the original progressive signal, and on such compatible displays as HDTV, Plasma or digital TV and high-end projectors, "paints" all the visible lines on the screen in a single pass - so you'll enjoy a scan-line-free image, with spectacularly clear color, no motion artifacts, and details so sharp they seem as if they're etched onto the screen.

BNC Component Video Output

This three-jack video output gives you higher-quality single-cable connection to the latest TVs, projectors and monitors than you get from standard pin-jack connections. It also brings out the full potential of your DVDs by sending three extremely clean, separate RGB (red, green, and blue) signals to your TV. This eliminates the usual artifacts such as dot crawl and moiré (wavelike or watered appearance), and gives stunning color fidelity with virtually no discernible video noise.



Analog Devices 216 MHz/14-Bit NSV Video DAC



A crucial factor in achieving clear, pristine digital video playback is the video D/A converter in your DVD player. The state-of-the-art 216 MHz/14-bit video DAC from Analog Devices featured in the DV-SP1000E gives you the finest artifact-free picture available. Features such as 4x oversampling and Noise Shaped Video (NSV®) dramatically reduce noise interference to the video signal, so you can enjoy even the most subtle of nuances in your favorite movies.

192 kHz/24-Bit Audio DACs

192^{kHz}/24^{bit}



Performing at a full 192 kHz/24-bit level of resolution, these state-of-the-art digital-to-analog converters deliver audio performance that is second to none. They boast a higher dynamic range than standard D/A converters, and are virtually resistant to clock jitter - which means you'll enjoy the best performance possible from DVD-Audio discs and Super Audio CDs and cleaner sound from your regular DVDs and CDs.

Exclusive Dual Direct Digital Path

DUAL DIRECT DIGITAL PATH

Unlike other DVD players that use inexpensive PC-board copper traces to transfer the digital audio signal, the DV-SP1000E employs dual high-purity, heavygauge, shielded cables to directly output digital or PCM bitstreams straight from the disc to the back panel. This protects the audio signal against potential noise from nearby microprocessors and power supplies. So if you use the optical or coaxial digital output to send multi-channel Dolby® Digital, DTS® and more to your compatible receiver, you're starting off with the cleanest possible signal.



DVD-Audio - Unprecedented Fidelity



DVD-Audio's dataloss-free reproduction of 192 kHz/24-bit 2-channel stereo or 96 kHz/24-bit 6-channel surround sound recreates music with such detail and clarity, it sounds as if every recording is being played live in your home. DVD-Audio can store 1,100 times more information per second than a CD. And with a super-high frequency rate of 192,000 samples per second - 4.3 times greater than an audio CD - you get 256 times the resolution, a frequency response up to 96 kHz, and an extraordinary dynamic range of up to 144 dB - which translates into a musical experience that goes beyond just listening!

Super Audio CD - Precision Clarity



Super Audio CD gives you the next step in the evolution of pristine sound. All channels provide for up to 100 kHz frequency response and a sampling rate of 2.822 MHz—that's 64 times that of a regular CD! A multichannel SACD disc can provide you with up to 6 channels of high-resolution audio in addition to a regular CD layer for playback on any existing CD player.

Video Circuit On/Off Control



For the best audio quality possible, you can turn off the video circuitry when using the DV-SP1000E as an audio-only player, eliminating the possibility of interference between the player's video and audio circuitry.

DV-SP1000E

Integra

SILVER BLACK

WHAT HI-FI?
SOUND AND VISION
★★★★★

THX™ Ultra Certified Universal DVD-Audio/Super Audio CD Player



THX DIGITAL DOLBY DIGITAL HDMI i FLEX SCALING AUTHORIZED BY PLUS DVD AUDIO VIDEO MP3 JPEG CD 192 kHz/24 bit VECTOR LINEAR SHAPING CIRCUITRY

DUAL DIRECT DIGITAL PATH VERIDIC PROGRESSIVE SCAN

Even though the receiver drives your home theater, it's still important that audio and video signals are delivered to it as effectively as possible. This is where the DV-SP1000E steps up: a rugged but sophisticated universal player that's built to perform. The DV-SP1000E's sturdy chassis and loading mechanism are specifically designed for the smoothest delivery of your movies and music and for the minimization of vibrations. And to understand the meaning of "universal", think DVD Audio and Super Audio CD, as well as analog and pure digital reproduction. The inclusion of HDMI (High-Definition Multimedia Interface) and i.LINK (IEEE1394) interface technology enables the transfer of large amounts (up to 5 Gbps) of audio and video data and easily connectable, multichannel music, respectively. Onkyo's proprietary VLSC (Vector Linear Shaping Circuitry) and Oplus' FlexScale™, which enables video scaling of PAL and NTSC discs from 480i/576i to 480p/576p/720p and 1080i, give this player the A/V playback edge that other makers fail to match. Such a remarkable universal player can't go without recognition, which is why it's THX™-certified for its superb standards in audio and video playback.

- THX™ Ultra Certified
- DTS® and Dolby® Digital Decoders Built in
- Plays DVD-Audio and Video, DVD-Rs, DVD-RWs, Super Audio CDs, MP3 CDs, CD-Rs, CD-RWs, Video CDs, Audio CDs, and JPEG/Picture CDs*
- Oplus® FlexScale™ Video Scaling Capability
- 216 MHz/14-Bit Analog Devices NSV® Video DAC
- Wolfson® 192 kHz/24-Bit Audio DACs
- Dual Direct Digital Path
- Optical & Coaxial Digital Outputs
- High Quality HDMI Output
- 2 i.LINK (IEEE1394) Digital Ports
- 2 Component Video (RCA/BNC), S-Video, SCART & Composite Video Outputs/S-Video & Composite Video Inputs
- 12 V Trigger Input and IR Input/Output
- Bi-Directional RS232 Port for Interface Control
- Rigid Aluminum Front/Side Panel with Brass Stabilizers
- PAL and NTSC Veridic Progressive Scan
- On-Screen Display (English, French, Spanish, German, Italian)
- Elegant Aluminum-Faced Backlit Remote Control

* Discs that have not been properly finalized may only be partially playable or not playable at all.



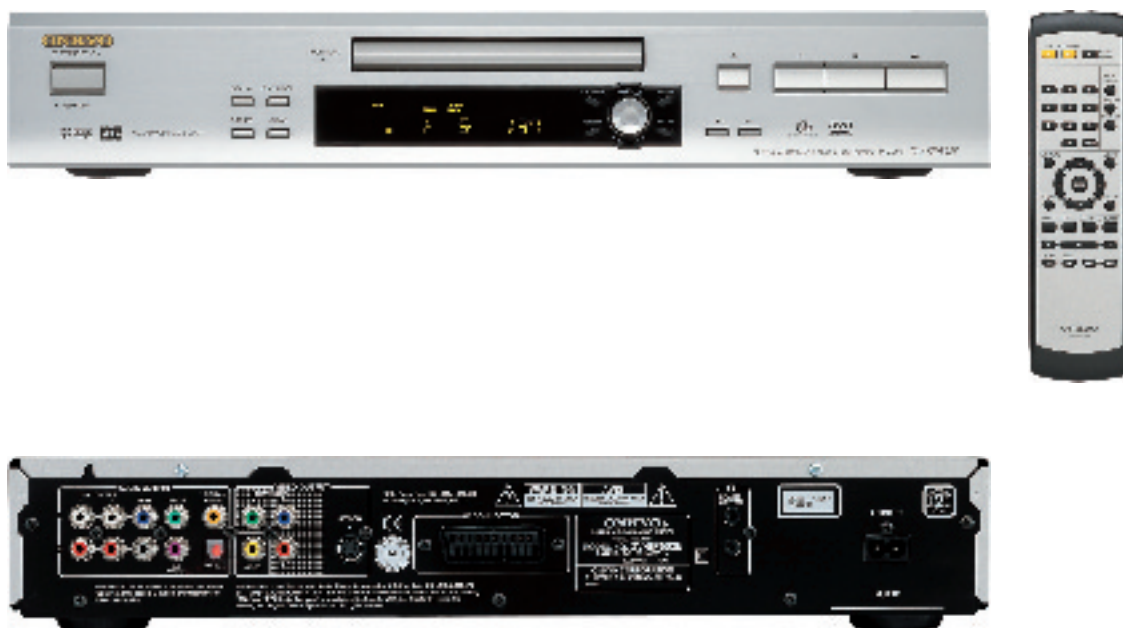
OPLUS® Flexscale™ Video Scaling Capability

Progressive scan players can at most, output an NTSC 480p signal or PAL 576p signal to compatible TVs or projectors. The DV-SP1000E will upscale conventional DVD (NTSC 480i or PAL 576i) to 480p/576p/720p or 1080i via the built-in FlexScale video scaler from Oplus. The result is a crystal clear, ultra-sharp image on HDTV compliant playback devices that will take your viewing experience to previously unattainable levels.

DV-SP502E

SILVER BLACK

Universal DVD-Audio/Super Audio CD Player



Universal players don't get more empowering than this. Bundled into a sleek, space-saving body, the DV-SP502E is the perfect embodiment of Onkyo's renowned build quality and emphasis on performance - all backed up by quality parts such as a 108 MHz/12-bit video D/A converter and 192 kHz/24-bit audio D/A converters to ensure the quality of your music and video is maintained during the digital-to-analog conversion process. Your universal player is lagging if it doesn't have the ability to produce video in complete frames (PAL and NTSC progressive scan) like the DV-SP502E. And while the world witnesses the advance of the supreme digital audio formats, Super Audio CD and DVD-Audio, you want to be prepared for the coming format revolution with the DV-SP502E's 5.1-multichannel playback capabilities. Such versatility will keep your entertainment options open for years to come.

- DTS® and Dolby® Digital Decoders Built in
- Plays DVD-Audio and Video, DVD-Rs, DVD-RWs, Super Audio CDs, MP3 CDs, WMA CDs, CD-Rs, CD-RWs, Video CDs, Audio CDs, and JPEG/Picture CDs*
- DivX Video Playable
- PAL/NTSC Progressive Scan
- Color-Coded 5.1 Multichannel Audio Outputs
- 192 kHz/24-Bit Audio DACs
- 108 MHz/12-Bit Video DAC
- Optical & Coaxial Digital Outputs
- 96 kHz or 48 kHz Selectable Digital Output
- Component Video, S-Video, SCART & Composite Video Outputs
- On-Screen Display (English, French, Spanish, German, Italian)
- Brushed Aluminum Front Panel
- Full-Function RI (Remote Interactive) Remote Control

* Discs that have not been properly finalized may only be partially playable or not playable at all.



DVD-Audio and Super Audio CD

DVD-Audio gives you data-loss-free reproduction of 192 kHz/24-bit 2-channel stereo or 96 kHz/24-bit 6-channel surround sound and a frequency rate 4.3 times greater than an audio CD. Super Audio CD gives you all-channel performance of up to 100 kHz frequency response and a sampling rate of 2.822 MHz—64 times that of a regular CD. Both give you the next step in the evolution of pristine surround sound.

DV-SP402E

SILVER BLACK

DVD/CD/MP3 CD Player



PROGRESSIVE SCAN

Onkyo's DV-SP402E DVD/CD/MP3 CD player offers the market two benefits that are highly sought after - advanced technology and affordability. On the audio side, 192 kHz/24-bit D/A converters provide you with the most precise, cleanest sound available at this end of the market. On the video side, PAL/NTSC progressive scan via 54 MHz/10-bit D/A conversion delivers you a picture that is unsurpassed in quality. The DV-SP402E is such a balanced unit that it is user-friendly for those new to home theater but has enough features to really express the brilliance of a finely attuned surround sound experience.

- Plays DVDs, DVD-Rs, DVD-RWs, MP3 CDs, WMA CDs, CD-Rs, CD-RWs, Video CDs, Audio CDs, and JPEG/Picture CDs*
- PAL/NTSC Progressive Scan
- 192 kHz/24-Bit Audio DACs
- 54 MHz/10-Bit Video DAC (for PAL Progressive Scan Output)
- Optical & Coaxial Digital Outputs
- 96 kHz or 48 kHz Selectable Digital

Output

- Component Video, S-Video, SCART & Composite Video Outputs
- On-Screen Display (English, French, Spanish, German, Italian)
- Full-Function RI (Remote Interactive) Compatible Remote Control

* Discs that have not been properly finalized may only be partially playable or not playable at all.

Perfectly Matched and Solid in Build - for the Complete Home Theater Experience



The secret to a successful home theater system is compatibility of components that seamlessly integrate without degraded audio and video. Onkyo's answer is the HTE-502. With the DV-SP402E DVD player and the rugged TX-SR502E A/V receiver working in tandem, six channels of precisely balanced sound are output through the highly tuned HTP-103E speaker package. By refusing to accept inferior parts and incorporating Onkyo build quality in the HTE-502, Onkyo has unveiled a particularly accomplished component home theater package.

HTE-502

Complete 6.1-Channel Home Theater System

TX-SR502E

6.1-Channel A/V Surround Receiver

- 90 W/Ch, Continuous 6 Ω , 1 kHz, DIN
- DTS®-ES™, Discrete/Matrix 6.1, DTS® NEO:6, DTS® 96/24, Dolby® Digital EX™, Dolby® Pro Logic® IIx
- 96 kHz/24-Bit DAC x 7
- H.C.P.S. (High Current Power Supply) Massive High Power Transformer
- WRAT (Wide Range Amplifier Technology)
- 2 Component Video Inputs and 1 Output
- 4 S-Video Inputs and 2 Outputs
- 4 Digital Inputs (3 Optical/1 Coaxial; 4 Assignable)
- CinemaFILTER™
- Optimum Gain Volume Circuitry
- Dot Matrix FL Display
- Color-Coded Dual Banana Plug Compatible Speaker Posts
- Crossover Adjustment (60/80/100/120/150 Hz)
- Preprogrammed RI (Remote Interactive) Remote Control

DV-SP402E

DVD/CD/MP3 CD Player

- Plays DVDs, DVD-Rs, DVD-RWs, MP3 CDs, WMA CDs, CD-Rs, CD-RWs, Video CDs, Audio CDs, and JPEG/Picture CDs*
- PAL/NTSC Progressive Scan
- 192 kHz/24-Bit Audio DACs
- 54 MHz/10-Bit Video DAC (for PAL Progressive Scan Output)
- Optical & Coaxial Digital Outputs
- 96 kHz or 48 kHz Selectable Digital Output
- Component Video, S-Video, SCART & Composite Video Outputs
- On-Screen Display (English, French, Spanish, German, Italian)
- Full-Function RI (Remote Interactive) Compatible Remote Control

* Discs that have not been properly finalized may only be partially playable or not playable at all.

SILVER

SKFC-404

SILVER

Home Theater Speaker System



SKF-404FL/FR 2-Way, Bass Reflex Front Speakers

- 8 cm cone woofer x 2
- 2.5 cm balanced-dome tweeter
- Slit-duct Aero Acoustic Drive for powerful and natural sound
- Magnetically shielded
- Rigid aluminum cabinet

SKC-404C 2-Way, Bass Reflex Center Speaker

- 8 cm dome woofer x 2
- 2.5 cm balanced-dome tweeter
- Slit-duct Aero Acoustic Drive for powerful and natural sound
- Magnetically shielded
- Rigid aluminum cabinet

HTP-103E

SILVER

Home Theater Speaker System



2-Way, Bass Reflex Front Speakers

- 10 cm cone woofer, 2.5 cm balanced-dome tweeter
- bass reflex
- magnetically shielded
- 6 Ω impedance

2-Way, Bass Reflex Center Speaker

- 10 cm cone woofer x 2, 2.5 cm balanced-dome tweeter
- Bass reflex
- Magnetically shielded
- 6 Ω impedance

2-Way, Bass Reflex Surround Speakers

- 10 cm cone woofer, 2.5 cm balanced-dome tweeter
- Bass reflex
- 6 Ω impedance

Bass Reflex Powered Subwoofer

- Built-in 150 W dynamic power amplifier
- 20 cm cone woofer
- Auto standby/On

SKR-200

SILVER

2-Way, Bass Reflex Surround Speaker

- 8 cm cone woofer
- 2.5 cm balanced-dome tweeter
- Slit-duct Aero Acoustic Drive for powerful and natural sound
- Magnetically shielded
- Rigid aluminum cabinet



SKF-3600

SILVER

2-Way, Bass Reflex Speakers



- 8 cm cone woofer x 2
- 2.5 cm balanced-dome tweeter
- Speaker base supplied
- Magnetically shielded

SL-107

BEECH SILVER

Bass Reflex Powered Subwoofer

- 20 cm cone woofer
- Slit-Duct for powerful and natural-sounding bass
- Auto-standby/On switch
- Continuously variable crossover (50–200 Hz)
- Phase switch (0 or 180°)
- Speaker & line level inputs
- Impedance: 65 k Ω (line input), 1.2 k Ω (speaker input)
- Built-in 150 W amplifier
- Frequency response: 30–200 Hz



Spacious and Stylish Sound from a Perfectly Matched Home Theater System



For those looking to amalgamate home theater into living spaces, Onkyo's new Sight & Sound Rack presents a stunning addition to any home. Perfectly designed for slimline plasma/LCD displays, the rack incorporates front/center speakers—Onkyo's SKFC 2-way, bass reflex front and center speaker package—but can be expanded to any 5.1-, 6.1 or 7.1-channel speaker system for even more engaging surround sound. Adding a modernist, space-conscious approach to A/V rack design, you can accommodate all components including A/V receivers, Universal players, VCRs, set-top boxes...anything you like. Solidly built with a beautifully finished quality metal construction, with toughened safety glass shelves, the Sight and Sound Rack is a sensible solution for those looking to add versatility and style to their home theater entertainment system.

SSR-3.0

SILVER Sight & Sound Rack

CB-204

AV Display Rack

- Simple yet elegant space-saving design
- Optimally positioned center speaker
- Adaptable for 5.1-, 6.1, 7.1-channel speaker system
- Can accommodate 94 cm-109 cm displays
- Adjustable display height
- Integrated cable management system
- 2 glass shelves

SKFC-404

Home Theater Speaker System

SKF-404FL/FR 2-Way, Bass Reflex Front Speakers

- 8 cm cone woofer x 2
- 2.5 cm balanced-dome tweeter
- Slit-duct Aero Acoustic Drive for powerful and natural sound
- Magnetically shielded
- Rigid aluminum cabinet

SKC-404C 2-Way, Bass Reflex Center Speaker

- 8 cm dome woofer x 2
- 2.5 cm balanced-dome tweeter
- Slit-duct Aero Acoustic Drive for powerful and natural sound
- Magnetically shielded
- Rigid aluminum cabinet

Optional

SKR-200

2-Way, Bass Reflex Surround Speaker

- 8 cm cone woofer
- 2.5 cm balanced-dome tweeter
- Slit-duct Aero Acoustic Drive for powerful and natural sound
- Magnetically shielded
- Rigid aluminum cabinet

Optional

SL-107

Bass Reflex Powered Subwoofer

- 20 cm cone woofer
- Slit-Duct for powerful and natural-sounding bass
- Auto-standby/On switch
- Continuously variable crossover (50-200 Hz)
- Phase switch (0 or 180°)
- Speaker & line level inputs
- Impedance: 65 kΩ (line input), 1.2 kΩ (speaker input)
- Built-in 150 W amplifier
- Frequency response: 30-200 Hz

TX-L55

SILVER

6.1-Channel Digital A/V Receiver



The digital revolution continues unabated. Onkyo's next-generation TX-L55 6.1-channel digital A/V receiver offers refined performance and advanced functionality, all wrapped up in a sleek, new-look case. Thanks to its cutting-edge digital amplification technology, the TX-L55 is far more space-efficient than a conventional analog receiver. Yet it still manages to deliver a room-filling 60 W/Ch into 6 ohms for all six surround channels. Along with surround sound decoders from Dolby® and DTS®, the TX-L55 brings you a remarkably extensive set of Onkyo features: CinemaFILTER™, Crossover Adjustment, Direct Listening Mode, Speaker Auto Detect System—and more. In the Onkyo TX-L55, you have a digital A/V receiver with the design aesthetic and performance to match your lifestyle.

- 60 W/Ch, continuous 6 Ω, 1 kHz, DIN
- Exclusive Onkyo Digital Technology
- DTS®-ES™, Discrete/Matrix 6.1, DTS® NEO:6, DTS® 96/24 Dolby® Digital EX™, Dolby® Pro Logic™ IIx
- High-current, low-impedance drive
- Discrete output stage circuitry
- Non-scaling configuration
- 5 DSP modes
- 2 component-video inputs & 1 output
- 3 digital inputs
- CinemaFILTER
- Subwoofer pre out
- SCART connector
- Color-coded multichannel inputs
- Preprogrammed RI (Remote Interactive) remote control

DV-L55

SILVER

DVD/CD/MP3 CD Player



PROGRESSIVE SCAN

The elegant, rounded lines of the DV-L55's aluminium front panel bring a sleek, modernist motif to your entertainment space. But of course there's a lot more to great home theater than just a pretty face. That's why Onkyo engineers have packed the DV-L55 with the features and technology you need to enjoy an authentic home theater experience. A 192 kHz/24-bit digital-to-analog converter ensures the purity of your audio signal. At the same time, PAL/NTSC progressive scan compatibility and a range of SCART, component, S-Video and digital outputs dramatically improve the reproduction of your video signal. Not merely limited to DVD video and PCM capabilities, MP3, WMA and JPEG playability broaden your options. Try pairing it with the TX-L55 digital A/V receiver for an awe-inspiring entertainment experience.

- Plays DVDs, DVD-Rs, DVD-RWs, MP3 CDs, WMA CDs, CD-Rs, CD-RWs, Video CDs, Audio CDs and JPEG/Picture CDs*
- Advanced 54 MHz/10-bit Video D/A conversion
- PAL/NTSC Progressive Scan
- 192 kHz/24-bit audio DAC
- 96 kHz or 48 kHz selectable digital output
- Optical & coaxial digital outputs

- Component, SCART, s-video & composite outputs
 - High resolution on-screen display (English, French, Spanish, German, Italian)
 - Full-function RI (Remote Interactive) remote control
- *Discs that have not been properly finalized may only be partially playable or not playable at all.

Enliven Any Room with Elegant Style and Crisp, Clear Sound



Onkyo's CR-L5 CD Receiver will impress even the most particular stereophile or music lover. Bundling outstanding Onkyo technological features like WRAT (Wide Range Amplifier Technology) and VLSC (Vector Linear Shaping Circuitry) makes it possible to provide a signal so clean that even the smoothest of sounds can transform your room. In Onkyo's approach, we don't take the low-cost route that others do. As a prime example, our discrete output stage circuitry improves cooling, as well as ensuring reliability and guaranteeing a superior sound.

CR-L5PA CD Receiver Package

CR-L5
Ultra-Slim CD Receiver

- 50 W/Ch, Continuous 4 Ω , 1 kHz, DIN
- 192 kHz/24-Bit Audio DACs
- VLSC (Vector Linear Shaping Circuitry)
- WRAT (Wide Range Amplifier Technology)
- New "Home Style Component" Design
- High-Current, Low-Impedance Drive
- Direct Mode Function (1 Optical; 1 Coaxial)
- 2 Digital Outputs
- Subwoofer Pre Out
- A/B Speaker Drive
- RI (Remote Interactive) Compatible Remote Control

SILVER

D-N3X
2-Way, Bass Reflex Speakers

12 cm OMF Diaphragm Woofer • 2.5 cm Balanced-Dome Tweeter • Magnetically Shielded • Extensively Braced MDF Cabinet • 5 Ω Impedance • 70 W Max Input Power • 60 Hz-35 kHz Frequency Response

CS-220

SILVER

CD-Receiver System



When space is at a premium, the convenience of a mini system to provide musical ambience, relaxing downtime or stress release is tough to beat. Onkyo's CS-220 CD Receiver System takes the high-end approach to convenience: High-quality Wolfson® DACs for accurate digital-to-analog conversion; discrete output stage circuitry for a clean output signal from the amplifier; and A-OMF cones and Aero Acoustic Drive for enhanced speaker performance. Finished off with a sturdy yet stylish aluminium front panel, the CS-220 presents a winning combination of simplicity and performance.

CR-505 CD Receiver

- 25 W/Ch, Continuous, 4 Ω , 1 kHz
- Wolfson® Single-Bit D/A Converter
- WRAT (Wide Range Amplifier Technology)
- High-Current, Low-Impedance Drive
- Discrete Output Stage Circuitry
- 3 Audio Inputs and 2 Outputs
- Optical Digital Output
- 5-Mode Timer (Timer 1/2/3/4/Sleep)
- 40 FM/AM Presets
- RDS (CT/PS/RT)
- Aluminium Front Panel

- RI (Remote Interactive) Compatible Remote Control

D-S7GX 2-Way, Bass Reflex Speakers

- 12 cm A-OMF Diaphragm Woofer
- 2.5 cm Soft-Dome Tweeter
- Aero Acoustic Drive (for powerful and natural sounding bass)
- Magnetically Shielded
- 4 Ω Impedance
- Max Input Power: 70 W
- Frequency Response: 50 Hz-35 kHz



MP3 Playback

MP3s are digital audio files that have been compressed, yet which still maintain the sound quality of the original. Before there were MP3s, digital audio files took hours to download. But on a 56K modem, most MP3s can download in just a few minutes. MP3s are widely recognized as the most popular format for storing and listening to music on the World Wide Web. Listening to MP3s is easy. You just need to download a player, a software application that lets you hear music on your computer. MP3 is short for MPEG Audio Layer 3. MPEG refers to the Moving Pictures Experts Group, an organization that sets international standards for digital formats for audio and video. The file-shrinking technology itself was developed by the Fraunhofer Institute in Germany.

CS-210

SILVER SILVER

CD Receiver System



Don't be fooled by this compact CD receiver system's size. The CS-210 embodies the fundamental technology often missing in more expensive, separate components and systems. By incorporating Onkyo's exclusive Wide Range Amplifier Technology (WRAT), this CD receiver system achieves what a lot of similarly sized products can't: a more accurate audio signal with less distortion. It also uses Discrete Output Stage Circuitry for enhanced cooling to extend the component's lifespan and further improve the quality the signal. Besides your CDs, the CS-210's RDS and tuner capabilities will take full advantage of today's renaissance in quality radio programming, and it also offers recording capability to provide you simply sublime music for years to come.

CR-305TX CD Receiver

- 20 W/Ch, 4 Ω , DIN
- Discrete output stage circuitry
- WRAT (Wide Range Amplifier Technology)
- 4 Ω low-impedance drive capability
- 2 optical digital outputs
- 4-step acoustic presence
- Single-bit DAC
- 4 repeat modes
- DLA Link2
- Optical digital output
- 3 analog inputs and outputs
- 4-mode timer
- 30 AM/FM presets
- RDS (PS)
- High-rigidity, anti-resonant chassis

- Aluminum front panel
- Full-function RI (Remote Interactive) remote control
- Headphone jack
- Shuffle/random (by remote) play function

D-N5TX 2-Way, Bass Reflex Speakers

- 12 cm OMF diaphragm woofer
- 2.5 cm balanced-dome tweeter
- S-Line Edge for responsive, hi-fidelity sound
- Magnetically shielded
- Extensively braced MDF cabinet
- Impedance: 6 Ω
- Max. input power: 70 W
- Frequency response: 50 Hz–40 kHz

SCR-205XPA

Receiver & CD Player Package

SILVER

SCR-205X

Receiver & CD Player Package

R-805TX(SH) RDS FM/AM Receiver

20 W/Ch, Continuous 4 Ω , DIN • WRAT (Wide Range Amplifier Technology) • Discrete Output Stage Circuitry • High Current, Low Impedance Drive • CD-R Input and Output Terminals • Processor Input and Output Terminals • 30 RDS FM/AM Presets • 3-Mode Acoustic Presence • 4-Mode Timer (Weekday, Weekend, Rec, Sleep) • Heavy-Duty Speaker Binding Posts • High-Grade Aluminium Volume Input Knob • Motor-Driven Volume Control • Blue FL Display • Brushed Hairline Aluminium Front Panel • RI (Remote Interactive) Compatible Remote Control

C-705TX(SH) CD Player

DLA Link2 (Digital Rec Level Adjustment) • 2 Optical Digital Outputs • High-Quality Single-Bit DAC • 25-Track Random Memory • 15-Track Music Calendar Display • 4-Mode Repeat • 4-Mode Time Display • Track-1 Play Mode • Solid Steel, Anti-Resonant Chassis • Blue FL Display • Brushed Hairline Aluminium Front Panel

D-SX7A

2-Way, Bass Reflex Speakers

12 cm OMF Diaphragm Woofer • 2.5 cm Soft-Dome Tweeter • Magnetically Shielded • Extensively Braced MDF Cabinet • 5 Ω Impedance • 70 W Max Input Power • 85 dB/W/m Sensitivity • 50 Hz-35 kHz Frequency Response

Optional

K-505TX

Auto-Reverse Cassette Deck

Auto-Reverse for Continuous Listening • Rugged Onkyo Transport System • Dolby® HX Pro & B and C Noise Reduction • CD-to-Tape One-Touch Dubbing (Album/Fade) • CD/MD to Tape Synchro Recording • Auto Tape Selector Sets Bias & Equalization to Match Tape Type • Auto Recording Level Control • Auto Spacing • Music Search • Blue FL Display • Brushed Hairline Aluminium Front Panel

The Shelf System For Your Lifestyle

Separate Collection

2005



Style and Sound Beyond Your Expectations

MCR-155XPA

SILVER

CD Player / Receiver with Speaker Package

R-801A

RDS FM/AM Receiver

17 W/Ch, Continuous 4 Ω , DIN • WRAT (Wide Range Amplifier Technology) • Discrete Output Stage Circuitry • High Current, Low-Impedance Drive • CD-R Input and Output Terminals • Motor Driven Volume Control • 4 Analog Inputs and 3 Outputs • Subwoofer Pre Out • 30 FM/AM Random Presets • RDS (PS, RT, CT) & AccuClock • FM Auto Scan Tuning • 4-Mode Timer (Weekday, Weekend, Rec, Sleep) • Aluminium Front Panel • RI (Remote Interactive) Remote Control

C-701A

CD Player

DLA Link2 (Digital Rec Level Adjustment) • 2 Digital Outputs (1 Optical; 1 Coaxial) • High-Quality Single-Bit DAC • Vibration-Reducing Center-Mounted Tray • 25-Track Random Memory • 3-Mode Repeat (Entire Disc, Memory, Random) • 2-Mode Super Dubbing (Album, Fade Out) • High-Rigidity, Anti-Resonant Steel Chassis • Aluminium Front Panel

D-N3X

2-Way, Bass Reflex Speakers

12 cm OMF Diaphragm Woofer • 2.5 cm Balanced-Dome Tweeter • Magnetically Shielded • Extensively Braced MDF Cabinet • 5 Ω Impedance • 70 W Max Input Power • 60 Hz-35 kHz Frequency Response

Optional

K-501A

Auto-Reverse Cassette Deck

Slot-In Computer Controlled Auto-Reverse Cassette Deck • Dolby® HX Pro & B and C Noise Reduction • CD-to-Tape, One-Touch CD Dubbing (Album/Fade) • CD/CD-R/MD to Tape Synchro Recording • Automatic Tape Selector • Auto Space Rec Mute • Music Search • One-Touch Power On and Play • RI (Remote Control) Remote Control Terminal • Aluminium Front Panel

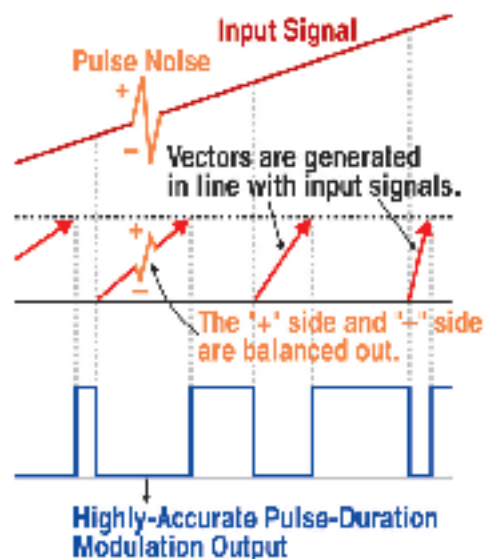
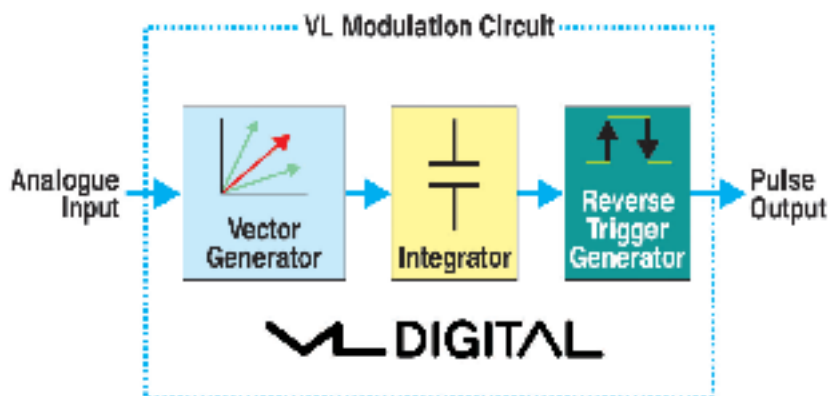




VL Digital - Hear What You've Been Searching For

Analog versus digital audio - there seems to be no end to this debate. However, there is one thing that is sure - audio signals are often tainted with unwanted noise in conventional amplifiers. Specifically designed to enhance the Pure Hi-Fi component range, Onkyo's digital amplifier design employs PWM (Pulse

Width Modulation) amplification and adds its exclusive VL (Vector Linear) technology to mask the noise and smooth the spikes in audio signals to reveal the subtlest nuances in movies and music. Features like this make the world of difference to quality hi-fi.



A-1VL

SILVER

Premium Digital Stereo Amplifier



192 kHz/24-bit DIGITAL

Onkyo's A-1VL digital stereo amplifier provides superior audio performance without sacrificing quality audiophile parts and build quality. This slim, futuristic digital amplifier possesses a low-impedance design with carefully selected audio parts—large capacity, separate toroidal transformers, thick copper bus plates and high-grade transparent speaker terminals. Also, the A-1VL combines PWM (Pulse Width Modulation) amplification and exclusive VL (Vector Linear) technology to smooth the ripples (fluctuations) and eliminate the noise inherent in analog or other PWM technologies. The result is 90% efficient amplification for wide dynamic and frequency ranges as well as noticeable sound harmony.

- Exclusive Onkyo VL Digital 2-Channel Amplifier
- Separate Toroidal Transformers for L/R Channels
- High-Grade, Banana-Plug Capable, Transparent Speaker Cables
- Low-Impedance, Brass Bus Plate
- Audiophile-Grade Parts
- Linear Motor Volume Control
- Brass Insulator
- Brass Pin Jacks
- Heavy-Duty, Inlet Power Cord
- Rugged Chassis to Prevent Vibrations
- RI (Remote Interactive) Compatible Remote Control

C-1VL

SILVER

Audiophile-Grade CD Player



192 kHz/24-bit VECTOR LINEAR SHAPING CIRCUITRY DIRECT DIGITAL PATH

The C-1VL CD player brings together superb audio reproduction, user-friendly operability and modern design sensibility. Displaying a range of technological advancements, this player effortlessly works with and complements the A-1VL digital stereo amplifier. Onkyo's exclusive VLSC (Vector Linear Shaping Circuitry) and high-grade Wolfson D/A converters ensure that the signal is free from the noise that taints other players. Also, a high-purity, heavy-gauge, shielded cable guarantees a digital audio signal that is noise-free and less susceptible to flux. The C-1VL CD player appeals to the music enthusiast who won't settle for anything less than the Onkyo approach to audio excellence.

- VLSC (Vector Linear Shaping Circuitry)
- High-Grade Wolfson 192 kHz/24-Bit DACs
- Direct Digital Path
- Digital Out On/Off
- Brass Insulator
- Brass Pin Jacks
- Heavy-Duty, Inlet Power Cord
- High-Grade Pin Cable Included
- 3 Digital Outputs (2 Optical/1 Coaxial)
- Rugged Chassis to Prevent Vibrations
- RI (Remote Interactive) Compatible Remote Control

A-9211

SILVER BLACK

Integrated Amplifier



- 60 W/Ch, Continuous 4 Ω , 1 kHz, DIN
- High-Current, Low-Impedance Drive
- Shielded Heavy-Duty Power Supply
- Discrete Output Stage Circuitry
- Aluminium-Extruded Heat Sink
- A/B Speaker Selector & Outputs
- Direct Source/Tone Bypass Switch
- 6 Audio Inputs
- Aluminium Front Panel
- RI (Remote Interactive) Compatible Remote Control

T-4211

SILVER BLACK

Quartz Synthesized FM/AM Stereo Tuner



- Digital Synthesized Tuning
- High Sensitivity & Superb Selectivity
- High-Quality Front End
- 2-Mode APR (Automatic Precision Tuning)
- RDS (PTY, TP, RT, CT, PS)
- 30 RDS FM/AM Random Presets
- Selectable Character Display Input
- 3 Station-Group Presets (10 Stations Each)
- Aluminium Front Panel
- RI (Remote Interactive) System Compatible

DX-7333

SILVER BLACK

CD Player



- Proprietary AccuPulse Quartz System
- Unique Next Selection Feature
- Memory Reverse (Program Delete)
- Peak-Level Search
- 36-Track Random Memory
- 3 Repeat Modes (entire disc, single track, A-B Block)
- 3 Digital Outputs (2 Optical, 1 Coaxial)
- Headphone Jack
- Brushed Aluminium Front Panel
- RI (Remote Interactive) Remote Control

TX-8511

SILVER BLACK

RDS FM/AM Stereo Receiver



RDS MRX

- 100 W/Ch, Continuous 4 Ω , 1 kHz, DIN
- Discrete Output Stage Circuitry
- Low impedance drive output stage
- Multi-room Capability
- 4 Audio and 2 AV Inputs
- Video-1 to Video-2 Dubbing
- Separate A and B speaker selector
- Selective Tone Control
- FM/AM Random 30 Station Preset Tuning
- Full-Feature RI (Remote Interactive) Remote Control

TX-8211

SILVER BLACK

Quartz Synthesized RDS FM/AM Stereo Receiver



RDS

- 70 W/Ch, Continuous 4 Ω , 1 kHz, DIN
- High-Current, Low-Impedance Drive
- Discrete Output Stage Circuitry
- 30 FM/AM Random Presets
- 2-Mode APR (Automatic Precision Tuning)
- RDS (PTY, TP, RT, PS)
- A/B Speaker Selector & Outputs
- Tape Monitor
- Aluminium Front Panel
- RI (Remote Compatible) Remote Control

TA-RW244

SILVER BLACK

Double Cassette Deck



DOLBY B-C NR

- Auto-Reverse on Both Decks, Auto-Reverse Record on Deck B
- Rugged Onkyo Transport System
- Dolby® B and C Noise Reduction
- CD Synchro Recording
- 8-Segment FL Peak Level Meters
- Peak Hold
- Auto Tape Selector
- Auto Spacing
- 4-Digit Electronic Tape Counter
- Aluminium Front Panel
- Remote Control

DX-C390

SILVER BLACK

6-Disc CD Carousel Changer



MP3 VECTOR LINEAR SHAPING CIRCUITRY DIRECT DIGITAL PATH COMPACT DIGITAL AUDIO 6 DISC CAROUSEL MECHANISM VQA

- VLSC (Vector Linear Shaping Circuitry) Vector Quantizer Audio DAC Technology (VQA)
- Plays MP3 CDs and Audio CDs
- Change up to 5 Discs During Play
- Multi-Bit DAC
- 128x Oversampling
- Proprietary AccuPulse Quartz System
- Direct Digital Path
- Optical & Coaxial Digital Outputs
- Fixed Output
- 40-Track Programming
- Unique Next Selection Feature
- 6 Repeat Modes (Entire Disc/All Discs/Random Tracks/Programmed Tracks/Random Memory/Single Track)
- Aluminium Front Panel
- Full-Function RI (Remote Interactive) Remote Control

VQA (Vector Quantizer Audio)



Wolfson Microelectronics 192 kHz/24-bit DAC Featuring VQA (Vector Quantizer Audio) Technology

The Wolfson Microelectronics 192 kHz/24-bit DAC (digital-to-analog converter) is specially designed for digital audio applications. Incorporating a novel multi bit sigma-delta design, this DAC boasts a 128 x oversampling rate to optimise the S/N (signal to noise) ratio performance and increased clock jitter tolerance. Also incorporated is exclusive VQA (Vector Quantizer Audio) technology. This breakthrough provides a smoother and leveler signal up to and beyond 20 kHz for optimal sound from your CD collection.

Exclusive Mechanism

6 DISC CAROUSEL MECHANISM



The DX-C390's exclusive design features a 6-disc carousel with an ultra-quiet loading mechanism.

DX-C380

SILVER BLACK

6-Disc CD Carousel Changer



COMPACT DIGITAL AUDIO 6 DISC CAROUSEL MECHANISM

- Change up to 5 Discs During Play
- Single-Bit DAC
- Proprietary AccuPulse Quartz System
- Optical Digital Output
- 40-Track Programming
- Unique Next Selection Feature
- 6 Repeat Modes (Entire Disc/All Discs/Random Tracks/Programmed Tracks/Random Memory/Single Track)
- Disc Intro Scan
- Direct Track and Disc Access
- Oversized Isolated Power Transformer
- Aluminium Front Panel
- RI (Remote Interactive) Remote Control

THX™ Surround EX™ THX SURROUND EX™

It's called THX Surround EX - "EX" because it extends the 5.1-channel format by adding another channel of information between the left and right surround channels. This lets movie sound mixers place sounds behind you, not just to the sides as in a standard cinema.

Decodes the additional matrix-encoded channel from Dolby Digital Surround EX and DTS-ES Matrix 6.1-encoded DVDs, and divides it into two separate surround back channels for incredibly realistic 360 degree surround sound effects and precise sound location.

Dolby® Digital Formats



Dolby® is recognized as the pioneer in multichannel audio reproduction. Dolby® Digital EX™ creates six full-bandwidth channels from 5.1-channel sources using a matrix decoder that derives three surround channels from the two in the original recording. Dolby® Pro Logic® IIx transforms any native stereo or 5.1 signal into a 6.1- or 7.1- channel output with Movie, Music and Game modes that enable you to tailor your listening experience to the source material. Game mode can deliver fullimpact special effects signals to the surround speakers.

DTS® (Digital Theater Systems) Formats



DTS® offers premium sound quality with optimal channel separation and sound quality. Like Dolby® Digital, standard DTS® is a discrete 5.1-channel system; however, it uses less compression. DTS® Neo:6 derives 6-channel sound from a stereo (2-channel) soundtrack. DTS offers two DTS®-ES™ (Extended Surround) formats: DTS®-ES™ Discrete 6.1, which provides a 6.1-channel system with a discrete back surround channel; and DTS®-ES™ Matrix 6.1, which provides a 6.1-channel system with a matrix-encoded back surround channel. DTS® 96/24 offers you the sound quality of the 96/24 master. This format can be encoded on DVD-Video or in the video zone of DVD-Audio, so it can be played on all DVD players.

Dolby® Headphone



This technology lets you enjoy multichannel sound sources, with thrilling, realistic surround sound over any conventional stereo headset. Dolby Headphone can be applied into virtually any type of product - audio, video, PC or video game which features the Dolby Headphone symbol. Now you can enjoy real surround sound from your headphones without bothering anyone around you.

Dolby® Virtual Speaker



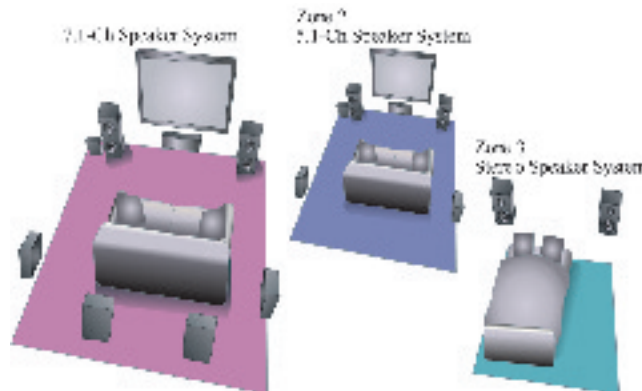
With Dolby Virtual Speaker technology, as few as two speakers, placed in front of you in a typical stereo setup, can actually sound like the speakers in a full surround sound home cinema system. This next-generation process reproduces the complex sonic cues necessary to locate where sounds are coming from. It literally convinces your ears that you are surrounded by sonic activity.

Powered Zone 2



You don't need an external amplifier to enjoy a stereo audio source (radio, CD, MD, LP or cassette) in the main room, while at the same time a another person listens to a different stereo source in another room.

Zone 3



Enjoy a surround sound movie in one room, while someone else listens to stereo music in another. All without the need for an extra amplifier. We even go one step further with a full set of line-outs for video - so you can set up an additional system in another room. If this is still not enough for you, add an external amplifier for a third zone you can control from your receiver.

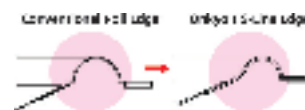
Onkyo Micro Fiber and A-OMF



The Onkyo Micro Fiber (OMF) speaker cone utilizes a pure cotton weave to absorb vibrations. Also, a thin yet rigid flexing diaphragm enables an extremely fast and accurate response. A new development, A-OMF, incorporates a PEN (polyethylene naphthalate) layer with a flexible cotton weave, making cones even stronger and more resistant to heat. Both cones achieve improved midrange clarity and imaging for an astonishingly vivid, natural sound.

S-Line Edge

Onkyo has incorporated an exclusive S-Line Edge in the OMF diaphragm. Essentially, this is a smoother edge where emitted sound literally "rolls off" with less obstruction compared to other speakers.



High Current Power Supply (H.C.P.S.) Transformer



Watts, watts, watts—that's all those other makers can talk about. If you want to see where real power comes from, pop the hood on any Onkyo receiver (actually, you can't "pop" it off—the anti-resonant cover is securely fastened to the thick-gauge reinforced-steel chassis by multiple machine screws to resist vibration). Under the hood, you'll instantly notice the High Current Power Supply

(H.C.P.S.) transformer. This transformer incorporates a huge isolated power supply design that, working in tandem with our high-capacity filter capacitors, ensures you'll always have ready the large amounts of instantaneous high-current power necessary for reproducing the wide dynamics of movie soundtracks and the detail and clarity of your music.



Picture CD Capability



Insert a disc containing picture files into a compatible Onkyo DVD player and relive the memories of your last vacation, birthday or any time immortalized on digital film. These players are compatible with FUJICOLOR® CDs, Kodak® Picture CDs, and CD-R/RWs encoded with JPEG picture files, so you can bring those timeless moments to life on your viewing screen. Viewing these pictures is simple with the menu mode, which lists the pictures on the disc for fast and easy selection.

Premium Digital Philosophy

Premium Digital

This philosophy represents Onkyo's all-inclusive approach to building digital components that incorporate our core technologies, high-quality parts and a focus on performance. It's all part of a comprehensive formula that enables us to offer products recognized for audio excellence, superior construction, a high level of reliability and ease of use.

CinemaFILTER™



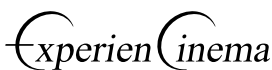
The tonal balance of a film soundtrack can be edgy and bright when played back over audio equipment in your home - this is because film soundtracks are designed to be played back in large theaters, using commercial equipment. Onkyo has developed its own solution that restores the correct tonal balance of a movie soundtrack in the smaller environs of your home theater.

Color-Coded Speaker Terminals



These color-coded speaker terminals take the guesswork out of matching wires to the correct terminals. Simply attach the color-coded label to the speaker cable, and attach the cable to the same-colored speaker terminal for easy speaker connection.

ExperienCinema™



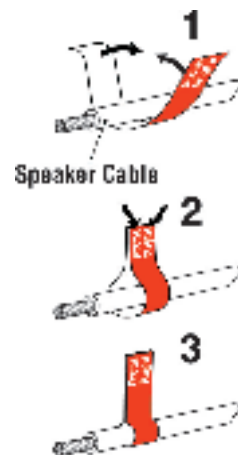
Our over 50 years of expertise in Imaginative Sight & Sound allow you to experience pure listening and viewing pleasure through our ExperienCinema™ concept. Onkyo not only provides you with the highest picture quality available, through Progressive Scan, but also audiophile-quality sound from 192 kHz/24-bit D/A converters and Onkyo exclusives like Direct Digital Path technology and VLSC (Vector Linear Shaping Circuitry). All of this adds up to a truly astounding sight and sound experience. ExperienCinema™ - the way it was meant to be.

DivX®



DivX® is video's equivalent of MP3 - a video compression technology (codec) that compresses video down to a size where it is able to sent via the internet without any significant deterioration in quality. It has the ability to compress the contents of a DVD to only 10% of its size, which is then possible to store on a standard CD. DivX® certified products, like a DVD player, enable the big-screen playback of contents created, manipulated and downloaded on computers.

Front Left	Front Right
Center	Center
Surround Left	Surround Right
Subwoofer	Subwoofer
Front Left	Front Right
Center	Center
Surround Left	Surround Right
Subwoofer	Subwoofer
Front Left	Front Right
Center	Center
Surround Left	Surround Right
Subwoofer	Subwoofer



A/V RECEIVERS	TX-NR5000E	TX-NR801E	TX-SR702E	TX-SR602E	TX-SR502E
POWER SPECIFICATIONS					
POWER OUTPUT*1	FRONT L/R (6 Ω, 1 kHz, DIN)	200 W/Ch	135 W/Ch	130 W/Ch	90 W/Ch
	CENTRE (6 Ω, 1 kHz, DIN)	200 W	135 W	130 W	90 W
	SURROUND L/R (6 Ω, 1 kHz, DIN)	200 W/Ch	135 W/Ch	130 W/Ch	90 W/Ch
	SURROUND BACK (6 Ω, 1 kHz, DIN)	200 W/Ch (L/R)	135 W/Ch (L/R)	130 W/Ch (L/R)	90 W
DYNAMIC POWER*2	4 Ω (FRONT)	260 W/Ch	210 W/Ch	170 W/Ch	150 W/Ch
	8 Ω (FRONT)	175 W/Ch	130 W/Ch	115 W/Ch	95 W/Ch
AMPLIFIER DESIGN					
IDENTICAL FULL-BANDWIDTH CHANNELS	7	7	7	7	6
REDUCED NFB (NEGATIVE FEEDBACK) DESIGN	✓	✓	✓	✓	✓
WRAT (WIDE RANGE AMPLIFIER TECHNOLOGY)	✓	✓	✓	✓	✓
VLSC (VECTOR LINEAR SHAPING CIRCUITRY)	✓	✓	✓	✓	✓
NON-SCALING CONFIGURATION	✓	✓	✓	✓	✓
DACS	192 kHz/24-Bit x 8	192 kHz/24-Bit x 6 96 kHz/24-Bit x 2	192 kHz/24-Bit x 8	192 kHz/24-Bit x 8	96 kHz/24-Bit x 7
HIGH CURRENT LOW IMPEDANCE DRIVE	✓	✓	✓	✓	✓
ALL DISCRETE OUTPUT STAGE CIRCUITRY	✓	✓	✓	✓	✓
OPTIMUM GAIN VOLUME CIRCUITRY	✓ (Linear)	✓ (Linear)	✓	✓	✓
DIGITAL UPSAMPLING	✓	✓	✓	✓	✓
HOME THEATER FEATURES					
THX™ SURROUND EX™ AND THX™ CERTIFIED	✓	✓ (Select)	✓ (Select)	✓	✓
THX™ ULTRA2 CERTIFIED	✓	✓	✓	✓	✓
EXTENDED FREQUENCY RESPONSE (+1 dB, -3 dB)	5 Hz-100 kHz	10 Hz-100 kHz	10 Hz-100 kHz	10 Hz-100 kHz	10 Hz-100 kHz
DTS®, DTS®-ES™ DISCRETE/MATRIX 6.1, DTS® Neo:6	✓	✓	✓	✓	✓
DTS® 96/24	✓	✓	✓	✓	✓
DOLBY® DIGITAL, DOLBY® PRO LOGIC® IIx, DOLBY® DIGITAL EX™	✓	✓	✓	✓	✓
AUTO SPEAKER SET-UP WITH MICROPHONE	✓	✓	✓	✓	✓
A-FORM LISTENING MODE MEMORY	✓	✓	✓	✓	✓
COMPOSITE TO S-VIDEO CONVERSION	✓	✓	✓	✓	✓
COMPOSITE AND S-VIDEO TO COMPONENT VIDEO UPCONVERSION	✓	✓	✓	✓	✓
MULTICHANNEL INPUT	7.1 x 2	7.1	5.1	5.1	5.1
CINEMA FILTER™	✓	✓	✓	✓	✓
DIGITAL SOUNDFIELD PROCESSING	✓	✓	✓	✓	✓
LATE NIGHT MODE	✓	✓	✓	✓	✓
COLOR-CODED SPEAKER TERMINALS	✓	✓	✓	✓	✓
ON-SCREEN DISPLAY	✓	✓	✓	✓	✓
ADJUSTABLE DIGITAL DELAY	✓	✓	✓	✓	✓
CROSSOVER ADJUSTMENT	✓	✓	✓	✓	✓
NETWORK FEATURES					
NET-TUNE™	✓	✓	✓	✓	✓
ETHERNET PORT	✓	✓	✓	✓	✓
NUMBER OF PRESETS (INTERNET RADIO)	30	30	✓	✓	✓
INPUTS/OUTPUTS					
i.LINK (IEEE1394) DIGITAL PORT	2	✓	✓	✓	✓
HDMI INPUTS/OUTPUT	2/1	✓	✓	✓	✓
AUDIO AND AV INPUTS	9/5	3/6	3/5	2/5	2/4
HDTV-READY COMPONENT VIDEO INPUT/OUTPUT	4/2	2/1	3/1	3/1	2/1
FRONT-PANEL VIDEO INPUT (WITH S-VIDEO)	✓	✓	✓	✓	✓
S-VIDEO COMPATIBLE JACKS INPUT/OUTPUT	7/4	6/3	5/3	5/3	4/2
DIGITAL INPUTS	7 Optical (1 Front panel) 6 Coaxial	4 Optical (1 Front panel) 3 Coaxial	5 Optical (1 Front panel) 2 Coaxial	3 Optical (1 Front panel) 2 Coaxial	3 Optical 1 Coaxial
DIGITAL OUTPUT	2 Optical/2 Coaxial	2 Optical	1 Optical/1 Coaxial	1 Optical	✓
RS232 CONTROL PORT	✓	✓	✓	✓	✓
IR INPUT/OUTPUT	3/3	1/1	1/0	1/0	✓
PRE OUTS					
FRONT L/R, CENTER	✓	✓	✓	✓	✓
SURROUND L/R	✓	✓	✓	✓	✓
SURROUND BACK	✓ (L/R)	✓ (L/R)	✓ (L/R)	✓	✓
SUBWOOFER	✓ (2)	✓	✓	✓	✓
OTHER FEATURES					
DOT-MATRIX DISPLAY	✓	✓	✓	✓	✓
DISPLAY DIMMER	3 Levels	3 Levels	3 Levels	3 Levels	3 Levels
PURE AUDIO MODE	✓	✓	✓	✓	✓
DUAL BANANA PLUG COMPATIBLE SPEAKER TERMINALS	All Terminals	All Terminals	All Terminals	All Terminals	All Terminals
SLEEP TIMER (90 MINUTES; 10-MIN STEPS)	✓	✓	✓	✓	✓
PHONO INPUT	✓	✓	✓	✓	✓
HEADPHONE JACK	✓	✓	✓	✓	✓
ZONE 2 (MULTISOURCE) LINE OUT	✓ (Audio/Video)	✓ (Audio/Video)	✓	✓	✓
POWERED ZONE 2	✓	✓	✓	✓	✓
12 VOLT TRIGGER	5	✓	1 (Zone 2)	1 (Zone 2)	✓
A/B SPEAKER DRIVE	✓	✓	✓	✓	A and B
TUNER FEATURES					
NUMBER OF PRESETS (FM/AM)	40	40	40	40	30
RDS (RADIO DATA SYSTEM)	✓	✓	✓	✓	✓
CONTROL					
FULL-FUNCTION RI REMOTE CONTROL	Prepro/Learning/Backlit	Prepro/Learning/Backlit	Prepro/Learning/Backlit	Prepro/Learning	Prepro
MACRO FUNCTION	✓	✓	✓	✓	✓
ABSOLUTE/RELATIVE VOLUME DISPLAY	✓	✓	✓	✓	Absolute
INTELLI VOLUME	✓	✓	✓	✓	✓
COLOR	Silver or Black	Silver or Black	Silver or Black	Silver or Black	Silver or Black

DVD/CD PLAYERS	DV-SP1000E	DV-SP502E	DV-SP402E
THX™ CERTIFIED	✓ (Ultra)		
DVD-AUDIO DECODING	✓	✓	
SUPER AUDIO CD DECODING	✓	✓	
DTS®/DOLBY® DIGITAL/MPEG/DIGITAL AUDIO OUTPUT	✓	✓	
DIRECT DIGITAL PATH	✓ (Dual)		✓
VLSC (VECTOR LINEAR SHAPING CIRCUITRY)	✓		
PROGRESSIVE SCAN (PAL/NTSC)	✓	✓	✓
HDMI OUTPUT	✓		
OPLUS® FLEXSCALE™ VIDEO SCALING	✓		
i.LINK (IEEE1394) DIGITAL PORT	✓		
96 kHz/48 kHz SELECTABLE DIGITAL OUTPUT	✓	✓	✓
COMPOSITE VIDEO OUTPUT	✓	✓	✓
S-VIDEO OUTPUT	✓	✓	✓
COMPONENT VIDEO OUTPUT	2 (RCA/BNC)	✓	✓
RGB VIDEO OUTPUT	✓	✓	✓
MP3 PLAYBACK	✓	✓	✓
WMA PLAYBACK		✓	✓
AUDIO DAC	192 kHz/24-Bit	192 kHz/24-Bit	192 kHz/24-Bit
VIDEO DAC	216 MHz/14-Bit	108 MHz/12-Bit	54 MHz/10-Bit
VIDEO CIRCUIT ON/OFF CONTROL	✓		
DYNAMIC RANGE CONTROL	✓	✓	✓
VIDEO BLACK LEVEL CONTROL	✓	✓	✓
DIGITAL OUTPUTS	2 Optical/2 Coaxial	1 Optical/1 Coaxial	1 Optical/1 Coaxial
ANALOG AUDIO OUTPUT	✓	✓	✓
CD-R/RW PLAYBACK CAPABILITY	✓	✓	✓
DVD-R/RW PLAYBACK CAPABILITY*1	✓	✓	✓
PASSES PLUGE SIGNALS	✓	✓	✓
PROGRAMMED MEMORY PLAYBACK	✓	✓	✓
8-LANGUAGE SOUNDTRACK CAPABILITY	✓	✓	✓
DIMMABLE DISPLAY	4-Mode	3-Mode	3-Mode
COLOR	Silver or Black	Silver or Black	Silver or Black

CD RECEIVER	CR-305TX	CR-505
POWER OUTPUT STEREO (4 Ω, 1 kHz)	20 W/Ch	25 W/Ch
DYNAMIC POWER*2 (4 Ω)	24 W	24 W
WRAT (WIDE RANGE AMPLIFIER TECHNOLOGY)		✓
DISCRETE OUTPUT STAGE CIRCUITRY	✓	✓
RDS (RADIO DATA SYSTEM)	✓	✓
AUDIO INPUT/OUTPUT	3/3	3/2
NUMBER OF PRESETS	30	40
PRESET STATION NAMING	✓	
AUTOMATIC TUNING	✓	✓
HEADPHONE JACK	✓	✓
CONVERTER	Single-Bit D/A (CD)	Single-Bit D/A (CD)
RANDOM TRACK MEMORY	✓	✓
NUMBER OF REPEAT MODES	3	3
SAMPLING RATE CONVERTER	✓	✓
DIGITAL OUTPUT	1 Optical	1 Optical
SLEEP TIMER	✓	✓
FULL-FUNCTION RI REMOTE CONTROL	✓	✓
COLOR	Silver	Silver

HOME STYLE COMPONENTS	TX-L55	CR-L5
RECEIVER/CONTROL CENTRE SECTION		
POWER OUTPUT STEREO (6 Ω, 1 kHz, DIN)	60 W/Ch	41 W/Ch
POWER OUTPUT STEREO (4 Ω, 1 kHz, DIN)		50 W/Ch
WRAT (WIDE RANGE AMPLIFIER TECHNOLOGY)	✓	✓
VLSC (VECTOR LINEAR SHAPING CIRCUITRY)		✓
DISCRETE OUTPUT STAGE CIRCUITRY	✓	✓
LOW IMPEDANCE DRIVE	✓	✓
RDS (RADIO DATA SYSTEM)	✓	✓
AUDIO INPUT/OUTPUT TERMINALS	5/1	3/2
DIGITAL INPUT	2 Optical/1 Coaxial	
DIGITAL OUTPUT		1 Optical/1 Coaxial
SUBWOOFER PRE OUT	✓	✓
SURROUND MODES	9	
NUMBER OF PRESETS	30	40
PRESET STATION NAMING		✓
DIRECT ACCESS TUNING	✓	✓
ACOUSTIC CONTROL	2 Step	
AUTOMATIC/MANUAL TUNING	✓	✓
SLEEP TIMER	✓	✓
HEADPHONE JACK	✓	✓
COLOR-CODED SPEAKER TERMINALS	✓	
FULL-FUNCTION RI REMOTE CONTROL	✓	✓
COLOR	Silver	
DVD PLAYER SECTION	DV-L55	
DTS®, DOLBY® DIGITAL, DIGITAL AUDIO OUTPUT	✓	
COMPOSITE VIDEO OUTPUT	✓	
S-VIDEO OUTPUT	✓	
COMPONENT VIDEO OUTPUT	✓	
RGB VIDEO OUTPUT	✓	
AUDIO DAC	192 kHz/24-Bit	192 kHz/24-Bit (CD only)
VIDEO DAC	54 MHz/10-Bit	
DYNAMIC RANGE CONTROL	✓	
CD-R/RW PLAYBACK CAPABILITY	✓	
MP3 PLAYBACK	✓	
PROGRAMMED MEMORY PLAYBACK	✓	
8-LANGUAGE SOUNDTRACK CAPABILITY	✓	
DIMMABLE DISPLAY	4-Mode	
CD PLAYBACK		
NUMBER OF REPEAT MODES	3 (Title/Chapter/Track)	3 (Entire side/ Memory/Random)
SHUFFLE/RANDOM PLAY	✓	✓
DIRECT TRACK ACCESS	✓	✓
ANALOG OUTPUT (VARIABLE/FIXED)	✓ (Fixed only)	
COLOR	Silver	Silver

HI-FI RECEIVERS	R-805TX	R-801A	TX-8511	TX-8211
POWER OUTPUT STEREO (4 Ω, 1 kHz, DIN)	20 W/Ch	17 W/Ch	100 W/Ch	70 W/Ch
DYNAMIC POWER*2 (4 Ω)	24 W/Ch	21 W/Ch	120 W/Ch	90 W/Ch
WRAT (WIDE RANGE AMPLIFIER TECHNOLOGY)	✓	✓		
DISCRETE OUTPUT STAGE CIRCUITRY	✓	✓	✓	✓
LOW IMPEDANCE DRIVE	✓	✓	✓	✓
RDS (RADIO DATA SYSTEM)	✓	✓	✓	✓
AUDIO INPUT/OUTPUT TERMINALS	5/3	4/3	5/3	4/2
INPUT/OUTPUT PROCESSOR JACKS	✓			
SUBWOOFER PRE OUT		✓		
NUMBER OF PRESETS	30	30	30	30
PRESET STATION NAMING	✓	✓		
ACCUCLOCK	✓	✓		
DIRECT ACCESS TUNING	✓	✓	✓	✓
AUTOMATIC/MANUAL TUNING	✓	✓	✓	✓
HEADPHONE JACK	✓	✓	✓	✓
SLEEP TIMER	✓	✓	✓	✓
MULTIROOM SYSTEM CAPABILITY			✓	
FULL-FUNCTION RI REMOTE CONTROL	✓	✓	✓	✓
COLOR	Silver	Silver	Silver or Black	Silver or Black

AUDIO NETWORK RECEIVER	NC-500XE
POWER OUTPUT*3 (6 Ω, 1 kHz)	17 W/Ch
DYNAMIC POWER*3 6 Ω (FRONT) 8 Ω (FRONT)	27 W/Ch 24 W/Ch
VLSC (VECTOR LINEAR SHAPING CIRCUITRY)	✓
NET-TUNE™	✓
ETHERNET PORT	✓
MP3/WMA/WAV PLAYBACK	✓
20-CHARACTER, 4-LINE DOT-MATRIX DISPLAY	✓
DISPLAY DIMMER	✓
ON-SCREEN DISPLAY	✓
SLEEP TIMER (90 MINUTES; 10-MIN STEPS)	✓
NUMBER OF PRESETS (FM/AM)	40
NUMBER OF PRESETS (INTERNET RADIO)	20
HEADPHONE JACK	✓
RENAME PRESETS	✓ (Via remote)
NUMBER OF REPEAT MODES	2
RANDOM PLAYBACK	✓
QUICK REFERENCE FUNCTION	Title/Artist/Album/Genre/ Custom Play List
ANALOG INPUT	✓ (1)
ANALOG OUTPUT (VARIABLE/FIXED)	✓
FULL-FUNCTION RI REMOTE CONTROL	✓
COLOR	Silver

CD PLAYERS	C-705TX	C-701A	C-1VL	DX-7333	DX-C390
DAC	Single-Bit	Single-Bit	Multi-Bit	Single-Bit	Multi-Bit
VLSC (VECTOR LINEAR SHAPING CIRCUITRY)			✓		✓
DIRECT DIGITAL PATH			✓		✓
SUPER HIGH-PRECISION CLOCK			✓		
MP3 CD PLAYBACK					✓
6-DISC CHANGER					Carousel
PEAK SEARCH	✓ (DLA Link 2)	✓ (DLA Link 2)		By Remote	
DIGITAL OUTPUT ON/OFF			✓		
NUMBER OF REPEAT MODES	4	4	4	5	6
RANDOM TRACK MEMORY	25	25	25	36	40
SHUFFLE/RANDOM PLAY	By Remote (Random)	By Remote	By Remote	By Remote	✓
NEXT SELECTION	By Remote	By Remote	By Remote	By Remote	By Remote
TIME EDIT				✓	
DIGITAL OUTPUT	2 Optical	2 Optical	2 Optical/1 Coaxial	2 Optical	1 Optical/1 Coaxial
ANALOG OUTPUT (FIXED)	✓	✓	✓	✓	✓
HEADPHONE JACK WITH VOLUME CONTROL				✓	
FULL-FUNCTION RI REMOTE CONTROL	✓			✓	✓
COLOR	Silver	Silver	Silver	Silver or Black	Silver or Black

TUNER	T-4211
RDS (RADIO DATA SYSTEM)	✓
NUMBER OF PRESETS	30
APR (AUTOMATIC PRECISION RECEPTION)	2-Mode
GROUP MEMORY	3
DIRECT ACCESS TUNING	✓
AUTOMATIC/MANUAL TUNING	✓
PRESET SCAN	✓
SIGNAL STRENGTH INDICATOR	5-Segment
RECEPTION MODE INDICATORS	✓
RI REMOTE SYSTEM	✓
COLOR	Silver or Black

CASSETTE DECKS	K-505TX	K-501A	TA-RW244
NUMBER OF MOTORS	1	1	1 + 1
NUMBER OF TAPE HEADS	2	2	1 + 2
DOUBLE CASSETTE DECK			✓
HIGH-SPEED DUBBING			✓
DOUBLE AUTO REVERSE			✓
AUTO REVERSE	✓	✓	
CONTINUOUS PLAY			✓
REC LEVEL CONTROLS	✓		✓
CD SYNCHRO RECORDING	✓	✓	✓
REPEAT PLAY		✓	✓
MUSIC SEARCH	✓	✓	
DOLBY® B AND C NOISE REDUCTION	✓	✓	✓
DOLBY® HX PRO	✓	✓	
ELECTRONIC COUNTER	✓		✓
FLUORESCENT DISPLAY	✓		✓
RI REMOTE SYSTEM	✓	✓	✓
COLOR	Silver	Silver	Silver or Black

INTEGRATED AMPLIFIER	A-1VL	A-9211
POWER OUTPUT (8 Ω, 1 kHz, DIN)	100 W/Ch	60 W/Ch
DYNAMIC POWER** (4 Ω)	240 W/Ch	80 W/Ch
DISCRETE OUTPUT STAGE CIRCUITRY	✓	✓
AUDIO INPUTS/OUTPUTS	4/1	6/2
PRE OUT	✓	
MAIN IN	✓	
DIRECT FUNCTION	✓	
TWO SETS OF SPEAKER OUTPUTS	✓	✓
HEAVY-DUTY MULTIWAY BINDING POSTS	✓	✓
HEADPHONE JACK		✓
FULL-FUNCTION RI REMOTE CONTROL		✓
COLOR	Silver	Silver or Black

SPEAKERS	HTP-103E			
	Front Speaker	Center Speaker	Surround Speaker	Subwoofer
TYPE	Bass Reflex	Bass Reflex	Bass Reflex	Bass Reflex Powered
NOMINAL IMPEDANCE	6 Ω	6 Ω	6 Ω	
INPUT IMPEDANCE				15 kΩ/Line
MAX. INPUT POWER	100 W	100 W	100 W	150 W (Dynamic power)
FREQUENCY RESPONSE	60 Hz-90 kHz	60 Hz-90 kHz	60 Hz-35 kHz	30 Hz-150 Hz
DRIVERS	10 cm Cone	10 cm Cone x 2	10 cm Cone	20 cm Cone
	2.5 cm Balanced-Dome	2.5 cm Balanced-Dome	2.5 cm Balanced-Dome	

SPEAKERS	D-N3X	D-N5TX	D-SX7A
TYPE	2-Way Bass Reflex	2-Way Bass Reflex	2-Way Bass Reflex
NOMINAL IMPEDANCE	6 Ω	6 Ω	5 Ω
MAX. INPUT POWER	70 W	70 W	70 W
FREQUENCY RESPONSE	50 Hz-40 kHz	50 Hz-40 kHz	50 Hz-35 kHz
DRIVERS	12 cm OMF Diaphragm	12 cm OMF Diaphragm	12 cm OMF Diaphragm
	2.5 cm Balanced-Dome	2.5 cm Balanced-Dome	2.5 cm Balanced-Dome

A/V RECEIVERS	TX-NR5000E	TX-NR801E	TX-SR702E	TX-SR602E	TX-SR502E
AMPLIFIER SECTION					
Power Output** (6 Ω, 1 kHz, DIN)					
Front L/R	200 W/Ch	135 W/Ch	130 W/Ch	120 W/Ch	90 W/Ch
Center	200 W	135 W	130 W	120 W	90 W
Surround L/R	200 W/Ch	135 W/Ch	130 W/Ch	120 W/Ch	90 W/Ch
Surround Back	200 W/Ch (L/R)	135 W/Ch (L/R)	130 W/Ch (L/R)	120 W/Ch (L/R)	90 W
Dynamic Power**					
4 Ω/8 Ω (front)	260 W/Ch/175 W/Ch	210 W/Ch/130 W/Ch	170 W/Ch/115 W/Ch	165 W/Ch/100 W/Ch	150 W/Ch/95 W/Ch
THD (Rated Power)	0.05 % (All channels)	0.08 % (All channels)	0.08 % (All channels)	0.08 % (All channels)	0.08 % (All channels)
Damping Factor (1 kHz, 8 Ω)	60	60	60	60	60
Input Sensitivity and Impedance					
PHONO (MM)	2.5 mV, 50 kΩ	2.5 mV, 50 kΩ	2.5 mV, 47 kΩ	—	—
CD and TAPE Play	200 mV, 50 kΩ	200 mV, 50 kΩ	200 mV, 47 kΩ	200 mV, 47 kΩ	200 mV, 47 kΩ
Output Level and Impedance					
TAPE REC	200 mV, 470 Ω	200 mV, 470 Ω	200 mV, 470 Ω	200 mV, 470 Ω	200 mV, 470 Ω
PRE OUT	1.0 V, 470 Ω	1.0 V, 470 Ω	1.0 V, 470 Ω	1.0 V, 470 Ω	1.0 V, 470 Ω
Frequency Response					
Audio (CD in Direct Mode)	5 Hz-100 kHz: +1 dB, -3 dB	10 Hz-100 kHz: +1 dB, -3 dB	10 Hz-100 kHz: +1 dB, -3 dB	10 Hz-100 kHz: +1 dB, -3 dB	10 Hz-100 kHz: +1 dB, -3 dB
S/N Ratio					
PHONO (MM)	80 dB (IHF-A, 5 mV input)	80 dB (IHF-A, 5 mV input)	80 dB (IHF-A, 5 mV input)	—	—
CD/TAPE	95 dB (IHF-A, 0.5 V input)	110 dB (IHF-A, 0.5 V input)	106 dB (IHF-A, 0.5 V input)	106 dB (IHF-A, 0.5 V input)	100 dB (IHF-A, 0.5 V input)
Phono Overload (1 kHz)	120 mV RMS, 0.5 % THD	120 mV RMS, 0.5 % THD	70 mV RMS, 0.5 % THD	—	—
Tone Controls					
BASS	±12 dB at 50 Hz	±10 dB at 50 Hz	±10 dB at 50 Hz	±10 dB at 50 Hz	±12 dB at 50 Hz
MID	±12 dB at 1 kHz	±10 dB at 1 kHz	±10 dB at 1 kHz	±10 dB at 1 kHz	±12 dB at 1 kHz
TREBLE	±12 dB at 20 kHz	±10 dB at 20 kHz	±10 dB at 20 kHz	±10 dB at 20 kHz	±12 dB at 20 kHz
TUNER SECTION					
Usable Sensitivity					
FM Mono	11.2 dBf, 1.0 μV (75 Ω IHF)	11.2 dBf, 1.0 μV (75 Ω IHF)	11.2 dBf, 1.0 μV (75 Ω IHF)	11.2 dBf, 1.0 μV (75 Ω IHF)	11.2 dBf, 1.0 μV (75 Ω IHF)
FM Stereo	17.2 dBf, 2.0 μV (75 Ω IHF)	17.2 dBf, 2.0 μV (75 Ω IHF)	17.2 dBf, 2.0 μV (75 Ω IHF)	17.2 dBf, 2.0 μV (75 Ω IHF)	17.2 dBf, 2.0 μV (75 Ω IHF)
AM	30 μV	30 μV	30 μV	30 μV	30 μV
S/N Ratio					
FM Mono	76 dB (IHF-A)	76 dB (IHF-A)	76 dB (IHF-A)	76 dB (IHF-A)	76 dB (IHF-A)
FM Stereo	70 dB (IHF-A)	70 dB (IHF-A)	70 dB (IHF-A)	70 dB (IHF-A)	70 dB (IHF-A)
AM	40 dB	40 dB	40 dB	40 dB	40 dB
THD					
FM Mono	0.2 %	0.2 %	0.2 %	0.2 %	0.2 %
FM Stereo	0.3 %	0.3 %	0.3 %	0.3 %	0.3 %
AM	0.7 %	0.7 %	0.7 %	0.7 %	0.7 %
FM Stereo Separation	45 dB at 1 kHz, 30 dB at 100 Hz-10 kHz	45 dB at 1 kHz, 30 dB at 100 Hz-10 kHz	45 dB at 1 kHz, 30 dB at 100 Hz-10 kHz	45 dB at 1 kHz, 30 dB at 100 Hz-10 kHz	45 dB at 1 kHz, 30 dB at 100 Hz-10 kHz
GENERAL					
Dimensions (W x H x D)	435 x 220 x 480.5 mm	435 x 175 x 459 mm	435 x 175 x 430 mm	435 x 175 x 430 mm	435 x 150 x 376 mm
Weight	33 kg	17.3 kg	15.2 kg	13.6 kg	10.2 kg

DVD PLAYERS	DV-SP1000E	DV-SP502E	DV-SP402E
Power Supply	230-240 V AC, 50 Hz	100-240 V AC, 50/60 Hz	230-240 V AC, 50 Hz
Power Consumption	48 W	12 W	12 W
Linear Velocity			
Single layer	3.49 m/s	3.49 m/s	3.49 m/s
Dual layer	3.84 m/s	3.84 m/s	3.84 m/s
Frequency Range (Digital Audio)			
DVD-Audio	4 Hz-96 kHz (192 kHz sampling)	4 Hz-88 kHz (192 kHz sampling)	—
DVD Linear Sound	4 Hz-44 kHz (96 kHz sampling)	4 Hz-44 kHz (96 kHz sampling)	4 Hz-44 kHz (96 kHz sampling)
Audio CD	4 Hz-22 kHz (48 kHz sampling)	4 Hz-22 kHz (48 kHz sampling)	4 Hz-22 kHz (48 kHz sampling)
S/N Ratio (Digital Audio)	118 dB	106 dB	106 dB
Audio Dynamic Range (Digital Audio)	100 dB	96 dB	96 dB
Harmonic Distortion (Digital Audio) (1 kHz)	0.001 %	0.003 %	0.008 %
Wow and Flutter	Below threshold of measurability	Below threshold of measurability	Below threshold of measurability
Composite Video Output	1.0 V p-p, 75 Ω, negative sync., pin jack x 2, SCART x 1	1.0 V p-p, 75 Ω, negative sync., pin jack x 1, SCART x 1	1.0 V p-p, 75 Ω, negative sync., pin jack x 1, SCART x 1
S-Video Output	(Y) 1.0 V p-p, 75 Ω, (C) 0.286 V p-p, 75 Ω, negative sync., Mini DIN 4-pin x 2, SCART x 1	(Y) 1.0 V p-p, 75 Ω, (C) 0.286 V p-p, 75 Ω, negative sync., Mini DIN 4-pin x 1, SCART x 1	(Y) 0.7 V p-p, 75 Ω, (C) 0.286 V p-p, 75 Ω, negative sync., Mini DIN 4-pin x 1, SCART x 1
Component Video Output	(Y) 1.0 V p-p, 75 Ω, negative sync., pin jack x 1, (Pb)/(Pr) 0.7 V p-p, 75 Ω, SCART x 1	(Y) 1.0 V p-p, 75 Ω, negative sync., pin jack x 1, (Pb)/(Pr) 0.7 V p-p, 75 Ω, SCART x 1	(Y) 1.0 V p-p, 75 Ω, negative sync., pin jack x 1, (Pb)/(Pr) 0.7 V p-p, 75 Ω, SCART x 1
RGB Video Output	0.7 V p-p, 75 Ω, SCART x 1	0.7 V p-p, 75 Ω, SCART x 1	0.7 V p-p, 75 Ω, SCART x 1
Audio Output			
Digital (Optical)	-22.5 dBm x 2	-22.5 dBm x 1	-22.5 dBm x 1
Digital (Coaxial)	0.5 V p-p, 75 Ω, pin jack x 2	0.5 V p-p, 75 Ω, pin jack x 1	0.5 V p-p, 75 Ω, pin jack x 1
Analog Audio	2.0 V RMS, 320 Ω, pin jack (5.1 ch) x 1, pin jack (L/R) x 1, SCART x 1	2.0 V RMS, 470 Ω, pin jack (5.1 ch) x 1, pin jack (L/R) x 1, SCART x 1	2.0 V RMS, 470 Ω, pin jack (L/R) x 1, SCART x 1
Dimensions (W x H x D)	435 x 123 x 374 mm	435 x 81 x 309 mm	435 x 81 x 307 mm
Weight	12.1 kg	3.4 kg	3.4 kg
Supplied Accessories	Audio/Video cable x 1, S-Video cable x 1, SCART cable x 1, Remote control (RC-563DV) x 1, HDMI cable x 1, iLINK cable x 1	Audio/Video cable x 1, S-Video cable x 1, SCART cable x 1, Remote control (RC-574DV) x 1	Audio/Video cable x 1, S-Video cable x 1, SCART cable x 1, Remote control (RC-574DV) x 1

AUDIO NETWORK RECEIVER	NC-500XE
AMPLIFIER SECTION	
Power Output** (6 Ω, 1 kHz)	17 W/Ch
Power Consumption	58 W
THD (Rated Power)	0.1 %
IM Distortion	0.6 %
Damping Factor (1 kHz, 8 Ω)	30
Input Sensitivity and Impedance	
AUX	150 mV, 50 kΩ
Frequency Response	10 Hz-50 kHz (+1 dB, -3 dB)
S/N Ratio	100 dB (IHF-A, 0.5 V input)
Muting	-60 dB
TUNER SECTION	
Usable Sensitivity	
FM Mono	11.2 dBf, 1.0 μV (75 Ω IHF)
FM Stereo	17.2 dBf, 2.0 μV (75 Ω IHF)
AM	30 μV
S/N Ratio	
FM Mono	73 dB (IHF-A)
FM Stereo	67 dB (IHF-A)
AM	40 dB
THD	
FM Mono	0.2 %
FM Stereo	0.3 %
AM	0.7 %
FM Stereo Separation	45 dB at 1 kHz, 30 dB at 100 Hz-10 kHz
GENERAL	
Dimensions (W x H x D)	205 x 91 x 279 mm
Weight	3.9 kg

HOME STYLE COMPONENTS	TX-L55	CR-L5
RECEIVER/CONTROL CENTER SECTION		
AMPLIFIER SECTION		
Power Output (6 Ω , 1 kHz, DIN)	60 W/Ch	—
Power Output (4 Ω , 1 kHz, DIN)	—	50 W/Ch
THD (Rated Power/1 W Output)	1 %/—	1 %/0.2 %
Frequency Response	10 Hz-60 kHz (\pm 1.5 dB)	10 Hz-100 kHz (\pm 3 dB)
S/N Ratio	100 dB (IHF-A)	100 dB (IHF-A)
TUNER SECTION		
Usable Sensitivity		
FM Mono	11.2 dBf, 1.0 μ V (75 Ω IHF)	11.2 dBf, 1.0 μ V (75 Ω IHF)
FM Stereo	17.2 dBf, 2.0 μ V (75 Ω IHF)	17.2 dBf, 2.0 μ V (75 Ω IHF)
AM	30 μ V	30 μ V
S/N Ratio		
FM Mono	70 dB (IHF-A)	73 dB
FM Stereo	67 dB (IHF-A)	67 dB
AM	40 dB	40 dB
THD		
FM Mono/FM Stereo/AM	0.2 %/0.3 %/0.7 %	0.2 %/0.3 %/0.7 %
FM Stereo Separation	45 dB at 1 kHz , 30 dB at 100 Hz-10 kHz	35 dB at 1 kHz , 25 dB at 100 Hz-10 kHz

GENERAL		
Power Consumption	110 W	—
Dimensions (W x H x D)	435 x 81.5 x 378 mm	—
Weight	6.5 kg	—

DVD SECTION	DV-L55	
Signal Readout System	Optical non-contact	—
Linear Velocity		
Single Layer/Dual Layer	3.49 m/s/3.84 m/s	—
Frequency Range (Digital Audio)		
DVD Linear Sound	4 Hz-22 kHz (48 kHz), 4 Hz-44 kHz (96 kHz) 4 Hz-20 kHz (44.1 kHz)	—
Audio CD	—	—
Harmonic Distortion (1 kHz)	0.003 %	—
Audio Dynamic Range	96 dB	—
S/N Ratio	106 dB	—
Wow and Flutter	Below threshold of measurability	—
Composite Video Output	1.0 V p-p, 75 Ω , negative sync., pin jack x 1	—
S-Video Output	(Y) 1.0 V p-p, 75 Ω , (C) 0.286 V p-p, 75 Ω negative sync., Mini DIN 4-pin x 1, SCART x 1	—
Component Video Output	(Y) 1.0 V p-p, 75 Ω , negative sync., pin jack x 1, (Pe)/(Pn) 0.7 V p-p, 75 Ω , SCART x 1	—
RGB Video Output	0.7 V p-p, 75 Ω , SCART x 1	—
Audio Output		
Digital (Optical)	- 22.5 dBm x 1	—
Digital (Coaxial)	0.5 V p-p, 75 Ω , pin jack x 1	—
Analog (Coaxial)	2.0 V RMS, 470 Ω , pin jack (L/R) x 1	—

CD SECTION		
Signal Readout System	Optical non-contact	Optical non-contact
Reading Rotation	About 200-500 r.p.m. (Constant linear velocity)	About 200-500 r.p.m. (Constant linear velocity)
Linear Velocity	3.49 m/s (Single layer), 3.84 m/s (Dual layer)	3.49 m/s (Single layer), 3.84 m/s (Dual layer)
Error Correction System	Reed Solomon Product Code	Reed Solomon Product Code
DAC	192 kHz/24-Bit	96 kHz/24-Bit
Number of Channels	2 (Stereo)	2 (Stereo)
Digital Filter	352.8 kHz, 8x oversampling	352.8 kHz, 8x oversampling
Frequency Response	4 Hz-20 kHz	5 Hz-20 kHz
Wow and Flutter	Below threshold of measurability	Below threshold of measurability
GENERAL		
Power Supply	230-240 V AC, 50 Hz	230-240 V AC, 50 Hz
Power Consumption	11 W	130 W
Dimensions (W x H x D)	435 x 82 x 351 mm	435 x 81.5 x 382 mm
Weight	3.6 kg	6.8 kg
Supplied Accessories	SCART cable x 1, Audio/Video cable x 1, S-Video cable x 1, Remote control (RC-450DV) x 1	Remote control (RC-535) x 1

CASSETTE DECK	TA-RW244
Wow and Flutter (WRMS)	0.08 %
Frequency Response	
METAL	20 Hz-17 kHz (30 Hz-16 kHz \pm 3 dB)
HIGH	20 Hz-16 kHz (30 Hz-15 kHz \pm 3 dB)
NORMAL	20 Hz-15 kHz (30 Hz-14 kHz \pm 3 dB)
S/N Ratio (METAL, Dolby® NR off)	58 dB
Heads	
Rec & Pb.	Special hard permalloy x 2
Erase	Ferrite x 1
Motors	DC servo motor x 2
Dimensions (W x H x D)	435 x 121 x 305 mm
Weight	5.2 kg

INTEGRATED AMPLIFIER	A-1VL	A-9211
Power Output (8 Ω , 1 kHz, DIN)	100 W/Ch	60 W/Ch
Dynamic Power*1		
4 Ω /8 Ω	240 W/Ch/130 W/Ch	80 W/Ch/55 W/Ch
THD (Rated Power)	0.08 %	0.08 %
Damping Factor (8 Ω , 1 kHz)	25	60
Sensitivity and Impedance		
Phono MM	2.5 mV (50 k Ω)	2.5 mV (47 k Ω)
CD, Tuner, Tape Play	200 mV (50 k Ω) (LINE)	150 mV (25 k Ω) (TONE)
Out Rec	200 mV (2.2 k Ω)	150 mV (3 k Ω)
Tone Controls		
Bass	—	\pm 8 dB at 100 Hz
Treble	—	\pm 8 dB at 10 kHz
Loudness	—	\pm 8 dB at 100 Hz/+ 2 dB at 10 Hz
Frequency Response	10 Hz-60 kHz/+ 1 dB, - 3 dB(CD)	15 Hz-50 kHz (\pm 1 dB)
S/N Ratio (IHF-A)		
Phono MM	70 dB	80 dB (5.0 mV input)
CD	100 dB	102 dB
Phono Overload (MM 1 kHz 0.5%)	130 mV	130 mV RMS
Dimensions (W x H x D)	435 x 82 x 390 mm	435 x 120 x 331 mm
Weight	11.3 kg	6.7 kg

HI-FI RECEIVER	TX-8511	TX-8211
AMPLIFIER SECTION		
Power Output (4 Ω 1 kHz DIN)	100 W/Ch	70 W/Ch
Dynamic Power**1		
4 Ω /8 Ω (Front)	120 W/Ch/75 W/Ch	90 W/Ch/55 W/Ch
THD (Rated Power)	0.08 %	0.08 %
Frequency Response	20 Hz-30 kHz (\pm 1 dB)	20 Hz-30 kHz (\pm 1 dB)
S/N Ratio		
CD/TAPE	100 dB (IHF-A)	100 dB (IHF-A)
TUNER SECTION		
Usable Sensitivity		
FM Mono	11.2 dBf, 1.0 μ V (75 Ω IHF)	11.2 dBf, 1.0 μ V (75 Ω IHF)
FM Stereo	17.2 dBf, 2.0 μ V (75 Ω IHF)	17.2 dBf, 2.0 μ V (75 Ω IHF)
AM	30 μ V	30 μ V
S/N Ratio		
FM Mono	76 dB (IHF-A)	76 dB (IHF-A)
FM Stereo	70 dB (IHF-A)	70 dB (IHF-A)
AM	40 dB	40 dB
THD		
FM Mono	0.15 %	0.15 %
FM Stereo	0.25 %	0.25 %
AM	0.7 %	0.7 %
FM Stereo Separation	45 dB at 1 kHz	45 dB at 1 kHz
GENERAL		
Dimensions (W x H x D)	435 x 150 x 322 mm	435 x 150 x 322 mm
Weight	8.9 kg	8.3 kg

CD PLAYERS	C-1VL	DX-C390
Digital Filter	352.8 kHz, 8x oversampling	352.8 kHz, 128x oversampling
Frequency Response	5 Hz-20 kHz	5 Hz-20 kHz
S/N Ratio	110 dB	98 dB
Dynamic Range	96 dB	96 dB
THD (1 kHz)	0.002 %	0.005 %
Channel Separation (1 kHz)	100 dB	92 dB
Wow and Flutter	Below threshold of measurability	Below threshold of measurability
Dimensions (W x H x D)	435 x 81.5 x 356 mm	435 x 131 x 432 mm
Weight	6.8 kg	6.9 kg

CD PLAYERS	DX-C380	DX-7333
Digital Filter	352.8 kHz, 8x oversampling	352.8 kHz, 8x oversampling
Frequency Response	5 Hz-20 kHz	5 Hz-20 kHz
S/N Ratio	92 dB	90 dB
Dynamic Range	96 dB	96 dB
THD (1 kHz)	0.005 %	0.005 %
Channel Separation (1 kHz)	92 dB	85 dB
Wow and Flutter	Below threshold of measurability	Below threshold of measurability
Dimensions (W x H x D)	435 x 131 x 433 mm	435 x 91 x 308 mm
Weight	6.9 kg	4.1 kg

TUNER	T-4211
Tuning Range	
FM	87.50-108.00 MHz (50 kHz steps)
AM	522-1611 kHz (9 kHz steps)
Usable Sensitivity	
FM Mono	11.2 dBf, 0.9 μ V 75 Ω DIN
FM Stereo	17.2 dBf, 20.0 μ V 75 Ω DIN
AM	25 μ V
Capture Ratio (FM)	1.5 dB
Image Rejection Ratio	80 dB
IF Rejection Ratio (FM)	90 dB
S/N Ratio	
FM Mono (IHF)	73 dB
FM Stereo (IHF)	66 dB
AM	40 dB
Harmonic Distortion	
FM Mono	0.1 % (Wide)
FM Stereo	0.2 % (Wide)
AM	0.8 %
Frequency Response (FM)	30 Hz-15 kHz (\pm 1.5 dB)
FM Stereo Separation	40 dB at 1 kHz
Dimensions (W x H x D)	435 x 91 x 305 mm
Weight	3.6 kg

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ONKYO
IMAGINATIVE SIGHT & SOUND

More information at your ONKYO dealer:

Onkyo Corporation

2-1 Nisshin-cho, Neyagawa-shi, Osaka 572-8540, JAPAN

Tel: 81-72-831-8005 Fax: 81-72-833-5222 <http://www.onkyo.com/>

Onkyo Europe Electronics GmbH

Liegnitzerstrasse 6, 82194 Grobenzell, GERMANY

Tel: 49-8142-4401-0 Fax: 49-8142-4401-555 <http://www.eu.onkyo.com/>

Onkyo Europe UK Office

Suite 1, Gregories Court, Gregories Road, Beaconsfield, Buckinghamshire HP9 1HQ, UNITED KINGDOM

Tel: 44-1494-681515 Fax: 44-1494-680452 <http://www.eu.onkyo.com/>